GUIDE TO BIOLOGICAL TERMS IN MELANESIAN PIDGIN

By MARTIN SIMON

WAU ECOLOGY INSTITUTE
HANDBOOK NO. 3

GUIDE TO BIOLOGICAL TERMS IN MELANESIAN PIDGIN

By MARTIN SIMON

Joint Publication of
Wau Ecology Institute
and
Papua New Guinea
University of Technology

WAU ECOLOGY INSTITUTE
HANDBOOK NO. 3
1977

WAU ECOLOGY INSTITUTE

Box 77

Wau

PAPUA NEW GUINEA

PATRON
Sir Maori Kiki

FOUNDING SPONSOR
Bishop Museum, Honolulu

ASSOCIATE SPONSORS

Henderson Foundation
PNG University of Technology
Smithsonian Institution
University of Papua New Guinea

BOARD OF MANAGEMENT

Omas Genora, Chairman
Michael Ian Fraser, Deputy Chairman

Peri Anton
Prof. E. Balasubramaniam, PhD
Prof. J. Davidson, PhD
John Dobunaba
Michael Galore
Anthony Ila, M. P.
Oscar Mamalai
Mambu Kizebu
Ninga Yamul
Hon. Timothy Pohai
F. J. Radovsky, PhD
Rikani Hapiago
Simon Saulei
Hon. Stephen Tago, M. P.
Yanduk

SCIENTIFIC ADVISORY COMMITTEE

David Dale, PhD
Lance Hill, PhD
Robert Johns, M. Sc.
Sirini Gauga

DIRECTOR
J. Linsley Gressitt, PhD

Printed by Wing Tai Cheung Printing Co.
Hong Kong

AUTHOR'S NOTE:

This guide to biological terms was developed for Papua New Guinean students as an aid to their understanding of lectures in biology as well as biological texts that are used during the teaching of biology courses. It is not meant to be a substitute for teaching material prepared in English, but rather, should be used to help clarify the many new terms and concepts that biology students are introduced to throughout their education in biology.

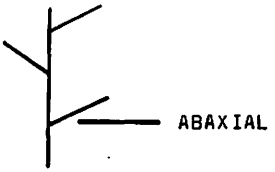
Words that are printed in CAPITAL letters in the definition are also defined in this work and should be consulted to help the student understand the word in question. Numbers found at the end of the definitions refer to the page and figure in which the word being defined is illustrated.

ACKNOWLEDGEMENTS:

I would like to thank the staffs of the Wau Ecology Institute and the Department of Chemical Technology, University of Technology, for editorial and other assistance, and in particular Mr Robert Wanstall, Biology Lecturer in the Department of Chemical Technology, who initially suggested the idea of preparing this work. I would also like to express my gratitude to the Director of the Wau Ecology Institute, Dr J. L. Gressitt, for supporting this project. In addition, other Wau Ecology Institute staff members contributed toward the development of this work: Mr Andrew Apang, who helped with the grammar and sentence structure of the definitions, and Mr Goaru Nalu who provided ideas on some of the illustrations and definitions. Finally I would also like to thank Mrs Janet Hart of Wau and Mrs Margaret Wildin of Lae, who typed drafts of the manuscript. This work was sponsored by the Wau Ecology Institute and the International Voluntary Services.

ABAXIAL — Nem bilong pasin long lip i kamap long arasait long stik (STEM) diwai.

Figure 1.



ABDOMEN — Nem bilong bel.

ABDUCTOR — Nem bilong kain mit (MUSCLE) i pulim i go long namel long bodi.

ABIOGENESIS — Nem bilong wanpela lo bilong BIOLOGY i tok: pastaim tru, laip i kamap long samting i no gat laip i stap.

ABORAL — Nem bilong samting long hap bilong animal i stap long arasait long maus.

ABSCISSION LAYER — Nem bilong samting i stap long as bilong liklik stik (PETIOLE) bilong lip. ABSCISSION LAYER em i no strong tumas. Nau bihain lip i bruk long ABSCISSION LAYER nau lip i pundaun.

ABSORPTION — Nem bilong pasin bilong olgeta samting i gat laip, ol i save pulim wara na kaikai long ABSORPTION.

ABYSSAL — Nem bilong hap long solwara i stap daunbilo tru.

ACCLIMATION — Nem bilong taim diwai na olgeta animal i save sindaun gut long ples bilong em yet.

ACELLULAR ANIMAL — Nem bilong mak bilong animal i gat wanpela CELL tasol. (Fig. 7 page 12; Fig.34 page 81).

ACETYLCHOLINE — Nem bilong wanpela kain marasin i stap insait long bodi i helpim wok bilong rot wailis (NERVE).

ACHILLES TENDON — Nem bilong rop bilong pasim bun i stap bihain long fut.

ACID — Nem bilong marasin i save kukim skin.

ACOELOMATE — Nem bilong sampela kain animal i no gat bilum (COELOM) insait long bodi bilong em. Or animal i no gat bilum raun long bel insait long bodi bilong em.

ACOUSTIC — Nem bilong olgeta samting bilong nois.

ACTIN — Nem bilong sampela samting olsem liklik rop tru (FIBER, FIBRE) i stap insait long mit (MUSCLE). ACTIN i helpim mit muv.

ADAPTATION — Nem bilong olgeta taim olgeta diwai na animal i save sindaun gut long ples (ENVIRONMENT) bilong em.

ADAXIAL — Nem bilong pasin long lip i kamap long insait long stik (STEM) diwai.

ADHESION — Nem bilong pawa i mekim tupela i pas wantaim. Olsem ADHESION em i pawa bilong plasta.

ADIPOSE — Nem bilong samting i stap insait long bodi. Ol i kalim gris.

ADRENAL GLAND	Nem bilong samting i stap insait long bodi i mekim marasin (HORMONE) ran insait long bodi.
ADRENALIN	Nem bilong marasin (HORMONE) bilong ADRENAL GLAND i mekim bodi kirap kwiktaim na hat i pamp kwiktaim long muvim planti blut long taim bikpela samting olsem pret i kamap.
ADVENTITIOUS	Nem bilong oltaim samting i kamap long arapela ples i no kamap tru long ples bilong em.
AEROBIC	Nem bilong pasin bilong sampela diwai na animal i mas (OBLIGATE) pulim win. Olsem, sapos i no pulim win, i go dai pinis.
AESTIVATION (ESTIVATION)	Nem bilong pasin bilong sampela animal. Nau sapos ples bilong em i kamap drai tru, nau dispela animal i stap isi i no muv.
AFFERENT	Nem bilong olgeta taim sampela samting i pulim i kam long arapela samting.
AGGLUTININ	Nem bilong samting i stap insait long blut. Em i olsem mekim blut i no kamap na i ron.
ALBINISM	Nem bilong samting nogut i kamap insait long bodi. Olsem ALBINISM i no mekim kain kain kala (PIGMENT) i kamap long skin na gras.
ALGAE (s. ALGA)	Nem bilong wanpela bikpela lain long liklik diwai. ALGAE i no gat lip na stik (STEM) na as (ROOT) bilong em. Planti ALGAE i stap long wara na solwara. Em i gat planti kain kain ALGAE. (CHLOROPHYTA, RHODOPHYTA, PHAEOPHYTA, CYANOPHYTA).

ALIMENTARY — Nem bilong olsem samting bilong olgeta rot bilong kaikai. Maus na mambu (ESOPHAGUS) i karim kaikai long maus i go long bel, na hap long bel (STOMACH) i save brukbrukim kaikai, na rot bilong kaikai tru (INTESTINE) olgeta bilong ALIMENTARY. (Fig. 15 page 28).

ALLANTOIS — Nem bilong hap long bilum bilong pikinini (EMBRYO, FETUS) i stap insait long bel (UTERUS) bilong meri. ALLANTOIS i save wokim olsem witlewa (LUNG), na ALLANTOIS i save rausim pispis bilong pikinini. (EXCRETION).

ALLERGY — Nem bilong sampela samting sapos sampela man i pulim win i gat samting nogut or em i pilim samting, dispela man i kamap sik long dispela sapos i gat ALLERGY long dispela samting.

ALLOPATRIC — Nem bilong sampela taim animal i no stap long wanpela hap tasol. Olsem em i taim tupela animal bilong wanpela lain i no stap klostu.

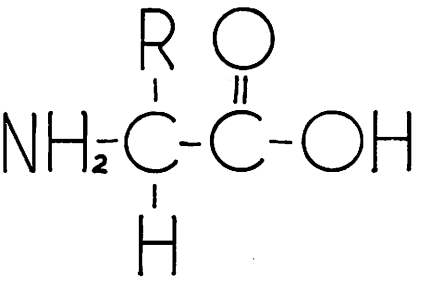
ALTERNATION OF GENERATIONS — Nem bilong pasin bilong diwai i gat tupela bodi bilong em. Wanpela i save mekim wanpela kain kiau em i no man or meri kiau, ol i kalim dispela kiau SPORE. Bodi bilong diwai i save mekim SPORE em i SPOROPHYTE. Nau arapela bodi bilong dispela diwai i kamap i save mekim kiau (GAMETE) bilong man na meri, ol i kalim dispela bodi bilong diwai GAMETOPHYTE.

ALVEOLI (s.ALVEOLUS) — Nem bilong planti liklik bilum i stap insait long witlewa (LUNG). (Fig. 26 page 54).

AMINO ACID — Nem bilong liklik hap tru bilong liklik mit tru (PROTEIN). Em i gat 22 kain kain AMINO ACID. Nau planti kain kain AMINO ACID i bung wantaim long mekim wanpela PROTEIN. Piksa bilong AMINO ACID em i olsem:

Figure 2.

Piksa bilong AMINO ACID



AMPHIBIA (AMPHIBIAN) — Nem bilong wanpela lain (CLASS) long animal. Animal bilong AMPHIBIA i gat pikinini bilong em i save sindaun gut long wara (AQUATIC). Nau bikpela AMPHIBIA i save sindaun gut long graun. (TERRESTRIAL) rokrok bilong lain long AMPHIBIA.

AMPLEXUS — Nem bilong taim rokrok i puspus.

ANABOLISM — Nem bilong wanpela hap long olgeta wok bilong bodi (METABOLISM). ANABOLISM em i taim tupela liklik samting i mekim wanpela bikpela samting i stap insait long bodi.

ANADROMOUS — Nem bilong pasin bilong sampela kain fis i stap long solwara, nau bihain i kambak long riva long karim kiau. Tok piksa: barumundi em pis long wokim dispela pasin.

ANEROBIC — Nem bilong pasin bilong sampela kain diwai na animal. Sapos i pulim win em i go dai pinis. Win em olsem poisin bilong em.

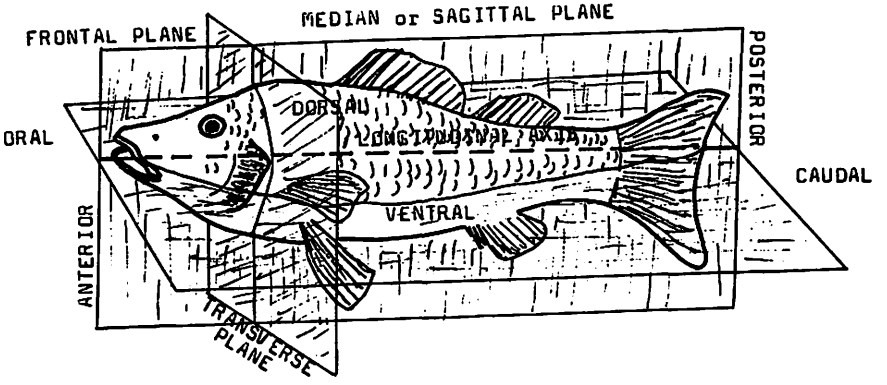
ANALOGOUS — Sapos samting bilong bodi long tupela animal i wok olsem. Nau dispela tupela samting em i no kamap wankain tasol. Tok piksa: wing bilong bataplai na wing bilong pisin i save mekim dispela tupela animal flai. Dispela tupela wing i no kamap olsem. Dispela tupela wing em i ANALOGOUS.

ANAPHASE — Nem bilong wanpela hap long taim CELL i mekim nupela CELL (MITOSIS, MEIOSIS). Nau ANAPHASE em i taim liklik rop (CHROMOSOME) i go arere insait long CELL. (Fig. 27 page 60).

ANASTOMOSIS — Nem bilong tupela samting olsem rop i bung wantaim.

ANATOMY — Nem bilong lainim samting bilong ausait na insait long bodi bilong olgeta animal na diwai.

Figure 3.



ANDROGEN — Nem bilong marasin (HORMONE) bilong man tasol i stap insait long bodi. ANDROGEN i save mekim manki i kamap man. Nau ANDROGEN i save mekim graas i kamap ananit long han na i mekim maus gras i kamap. Bol bilong man (TESTES) i save mekim ANDROGEN.

ANGIOSPERM — Nem bilong lain bilong diwai i gat plaua.

ANNELIDA — Nem bilong bikpela lain (PHYLUM) long animal i gat sampela kain liklik snek (WORM) i stap. (LEECH, HIRUDINEA).

ANNUAL — Nem bilong pasin bilong sampela diwai na plaua. Nau dispela kain diwai i kamap na i dai insait long wanpela krismas.

ANNUAL RINGS — Nem bilong wanpela mak i kamap long wanpela krismas. ANNUAL RINGS i stap insait long stik bilong bikpela diwai i stap long ples kol (TEMPERATE).

ANTAGONISTIC MUSCLES — Nem bilong pasin bilong sampela mit (MUSCLE). Nau wanpela mit i pulim bun i go na arapela mit i pulim bun i kam.

ANTENNAE (s.ANTENNA) — Nem bilong mas bilong binatang i kamap antap long het.

ANTERIOR — Nem bilong olgeta hap long bodi i stap long fran long bodi olsem klostu long het. (Fig. 3 page).

ANTHER — Nem bilong wanpela hap bilong plaua. ANTHER i save mekim man kiau (SPERM, POLLEN) bilong diwai. Olsem ANTHER em i man sem bilong diwai. (Fig. 21 page 37).

ANTIBIOTIC — Nem bilong sampela marasin i save kilim liklik binatan tru (BACTERIA).

ANTIBODY — Nem bilong sampela samting i stap insait long bodi i paitim na kilim liklik binatang tru or liklik samting tru. (BACTERIA, VIRUS, ANTIGEN).

ANTIGEN — Nem bilong liklik samting tru i go insait long bodi i bung wantaim na mekim planti ANTIBODY i kamap.

ANTITOXIN — Nem bilong sampela samting i save kilim poisin.

ANURA — Nem bilong wanpela lain (ORDER) long animal. Rokrok bilong lain long ANURA.

ANUS — Nem bilong as bilong animal.

AORTA — Nem bilong bikpela rop bilong blut i kamaut long hat. (Fig. 22 page 43).

APETALOUS — Nem bilong mak bilong sampela plaua i no gat hap i gat kala (PETAL, COROLLA) long plaua bilong em.

APICAL MERISTEM — Nem bilong samting i stap long diwai. Nau APICAL MERISTEM i save mekim nupela CELL i kamap kwiktaim.

APPENDAGE — Nem bilong olgeta fut na han bilong animal na diwai.

APOCARPOUS — Nem bilong mak bilong sampela kain plaua. Em i gat meri sem (CARPEL) i stap wanpela wanpela tasol i no bung long arapela CARPEL.

AQUATIC — Nem bilong pasin bilong sampela animal na diwai i save sindaun long wara or solwara.

ARACHNIDA — Nem bilong wanpela lain (CLASS) long animal. Em i gat eitpela lek bilong em. ARACHNIDA em i no gat mas (ANTENNAE) i stap long het bilong em. Spida bilong lain long ARACHNIDA.

ARBOREAL — Nem bilong pasin bilong sampela animal i save sindaun long diwai ol taim. Tok piksa: kapul em i animal i save sindaun long diwai, em i ARBOREAL olsem.

ARCHEGONIUM — Nem bilong wanpela hap bilong sampela kain diwai i mekim liklik kiau (OVULE) bilong diwai.

ARCHENTERON — Nem bilong samting olsem bel bilong pikinini (EMBRYO) i gat blut yet na i stap insait long bel (UTERUS) bilong meri.

ARTERIOLE — Nem bilong liklik rop bilong blut. ARTERIOLE i lusim blut long hat. (Fig. 10 page 21).

ARTERY — Nem bilong sampela rop bilong blut. ARTERY i lusim blut long hat. (Fig. 10 page 21).

ARTHROPODA — Nem bilong wanpela bikpela lain (PHYLUM) long animal. ARTHROPODA em i gat ausait bun (EXOSKELETON) bilong em na em i gat skru (JOINT) i stap long han na lek bilong em. Anis na bataplai, na spaida, na kuka, na kindan, na plantihan, na planti kain kain tru animal bilong lain ARTHROPODA.

ARTICULATION — Nem bilong olgeta skru (JOINT) bilong bun.

ASCOMYCETES — Nem bilong wanpela hap long bikpela lain (DIVISION) long liklik diwai (FUNGUS). Em i no grinpela i no gat lip tru na as diwai (ROOT) na stik (STEM) olsem.

ASEXUAL REPRODUCTION — Nem bilong pasin bilong sampela kain animal na diwai. Nau em yet i save mekim pikinini i no gat tupela kain liklik kiau (GAMETE) bilong man na meri.

ASSIMILATION — Nem bilong pasin bilong animal i kaikai pastaim, nau bihain bodi i brukimbrukim. Nau kaikai i go insait long bodi bilong em na mekim nupela mit na mekim pawa (METABOLISM).

ASYMMETRY — Nem bilong sampela samting i no inap katim namel or brukim namel.

Figure 4.

ATP (ADENOSINE TRIPHOSPHATE) — Nem bilong sampela samting i stap insait long CELL. Nau ATP i save sanisim pawa long bodi.

ATRIUM (pl. ATRIA) — Nem bilong hap long hat olsem hul i stap long antap long hat. (Fig. 22 page 43)

ATROPHY — Nem bilong pasin bilong animal sapos wanpela hap long bodi i bagarap, nau yu no usim em oltaim. Olsem em i go liklik.

AUDITORY — Nem bilong olgeta samting bilong harim.

AURICLE — Nem bilong samting olsem ATRIUM. (Fig 22 page 43).

AUSTRALIAN REGION — Nem bilong wanpela ples long graun i gat sampela kain animal bilong em. (ZOOGEOGRAPHY) em i stap klostu Australia, na Papua New Guinea na Indonesia, na New Zealand na planti liklik ailan bilong AUSTRALIAN REGION.

AUTONOMIC — Nem bilong wanpela kain rot wailis (NERVE). Man i no save bosim dispela kain NERVE. AUTONOMIC NERVE i stap long rot bilong kaikai (IN ESTINE) na rop bilong blut i helpim dispela tupela samting wok.

AUTOSOME — Nem bilong olgeta liklik rop tru (CHROMOSOME) i stap insait long CELL i no save mekim man tasol or meri tasol.

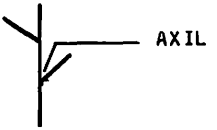
AUTOTROPHIC — Nem bilong pasin bilong diwai em yet i save mekim kaikai bilong em (PHOTOSYNTHESIS).

AUXIN — Nem bilong marasin i stap insait long diwai. Nau AUXIN i save helpim diwai kamap bikpela.

AVES — Nem bilong lain (CLASS) long animal. Pisin bilong lain long AVES.

AXIL — Nem bilong kona i stap long namel bilong diwai, olsem han bilong em, or kona i stap long han bilong em na lip bilong em.

Figure 5.



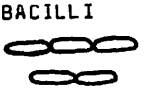
AXILLARY BUD — Nem bilong hap long pikinini stik i kamap long antap long hap long sampela diwai i pasim long stik diwai (STEM).

AXIS — Nem bilong mak bilong lainim samting long olgeta bodi bilong animal na diwai (ANATOMY). AXIS em i longpela lain i brukim bodi namel. (Fig. 3 page 6).

AXON — Nem bilong wanpela hap long rot wailis (NERVE). AXON i save rausim pawa bilong rot wailis (NERVE) i go long arapela NERVE. (Fig. 28 page 63).

BACILLI (s.BACILLUS) — Nem bilong wanpela liklik binatang tru olsem jem (BACTERIA). Piksa bilong dispela BACTERIA em i olsem:

Figure 6.



BACTERIA (s.BACTERIUM) — Nem bilong sampela kain liklik binatang tru olsem jem i save bringim olkain sik. Tripela kain piksa bilong BACTERIA:

Figure 7.

BACTERIOPHAGE — Nem bilong liklik samting tru (VIRUS) i save go insait long liklik binatang tru (BACTERIA) na kilim dispela bacteria. BACTERIOPHAGE i gat tupela hap bilong em, liklik mit tru (PROTEIN) na DNA or RNA.

BARK — Nem bilong skin bilong diwai i stap long ausait long stik (STEM) bilong em.

BASIDIOMYCETES Nem bilong wanpela hap long bikpela lain (DIVISION) long liklik diwai (FUNGUS) em i no gat lip tru na stik (STEM) na as bilong diwai (ROOT) bilong em. Talinga bilong lain long BASIDIOMYCETES.

BATRACHIA Nem bilong wanpela lain (ORDER) long animal. Rokrok bilong lain long BATRACHIA.

BEE Nem bilong binatang i save kaikai man.

BENTHOS Nem bilong hap long raun wara na solwara. BENTHOS em i stap long graun ananit long raun wara na solwara.

BERRY Nem bilong wanpela kain prut i gat planti liklik pikinini diwai (SEED) i stap long em. Tomato em i prut bilong BERRY.

BI- Nem bilong olgeta samting i gat tupela samting.

BICEPS Nem bilong wanpela kain mit (MUSCLE) hanlek. Em is gat tupela hap long wanpela hap tasol.

BICUSPID VALVE Nem bilong wanpela kain dua i stap insait long hat i stap long namel long left ATRIUM na left VENTRICLE. Nau sapos BICUSPID VALVE em i pas, blut i no inap long go long left ATRIUM long left VENTRICLE. (Fig. 22 page 43).

BILATERAL SYMMETRY Nem bilong samting i kamap tupela hap, olsem sapos yu katim long wanpela namel tasol. Olsem piksa bilong glas bilong lukluk.

BILE Nem bilong wanpela kain wara i kamap long lewa, em i helpim brukbrukim gris i stap insait long bel.

BINOMIAL NOMENCLATURE — Olgeta animal na diwai i gat tupela bikpela nem bilong em. Tok piksa: nem bilong manmeri em olsem: Homo sapiens. Nau nem bilong kaukau em olsem: Ipomoea batatas.

BIOGENESIS — Nem bilong wanpela lo bilong BIOLOGY. Em i tok long laip i kamap long laip tasol.

BIOLOGY — Nem bilong lainim olgeta samting i gat laip.

BIOME — Nem bilong wanpela hap long graun i gat animal na diwai i stap.

BIOSPHERE — Nem bilong hap bilong graun i gat laip.

BIPEDAL — Nem bilong pasin bilong animal i save wokabaut long tupela lek tasol.

BISEXUAL — Nem bilong pasin bilong sampela animal na diwai i gat sem bilong man na meri i stap insait long wanpela bodi..

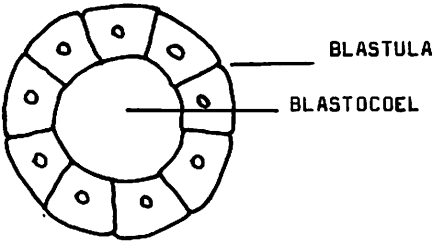
BIVALVE — Nem bilong lain (CLASS) long animal. Em i gat tupela kramsel bilong em. BIVALVE i stap long wara no solwara.

BLADDER — Nem bilong olkain bilum i stap insait long bodi long animal. (Fig. 24 page 50).

BLASTOCOEL — Nem bilong hul i stap insait long kiau (BLASTULA) i stap insait long bel (UTERUS) bilong meri. Bihain kiau i kamap pikinini. (Fig. 8 page 15).

BLASTULA — Nem bilong nupela liklik pikinini i stap insait long bel (UTERUS) bilong meri. BLASTULA em i bol tasol.

Figure 8.



BOTANY — Nem bilong lainim olgeta samting bilong olgeta diwai.

BRACHIAL — Nem bilong olgeta samting i stap long han.

BRACHIATION — Nem bilong pasin bilong animal i save wokabaut long diwai long han bilong em.

BRACKISH — Nem bilong wara na solwara tupela i miks.

BRAIN — Nem bilong kru i stap insait long hed.

BRONCHIOLE — Nem bilong liklik mambu bilong win i stap insait long bodi i helpim karim win long maus i go long wit lewa (LUNG). (Fig. 26 page 54).

BRONCHUS (pl.BRONCHI) — Nem bilong bikpela mambu bilong win i stap insait long bodi i karim win long maus i go long wit lewa. (Fig. 26 page 54).

BUCCAL — Nem bilong olgeta samting bilong maus.

BULB — Nem bilong sotpela stik (STEM) bilong diwai i stap daunbilo long graun. BULB i gat planti kaikai i stap long em.

BURSA — Nem bilong sampela bilum i stap insait long bodi bilong animal.

CAECUM — Nem bilong bilum i pasim rot bilong kaikai (INTESTINES).

CALORIE — Nem bilong wanpela pawa i stap insait olgeta kaikai. Pawa bilong wanpela CALORIE i save hatim wanpela "gram" wara long wanpela "degree" Celsius.

CALYX — Nem bilong wanpela hap long plaua. CALYX em i hap long plaua i stap daunbilo em i grinpela i lukluk olsem lip ol i kalim SEPAL. Nau CALYX em i planti SEPAL i bung wantaim. (Fig. 21 page 37).

CAMBIUM — Nem bilong wanpela kain CELL i stap insait long stik diwai (STEM). CAMBIUM em i hap long diwai i save mekim nupela CELL i save karim wara (XYLEM) na kaikai (PHLOEM) bilong diwai.

CAMBRIAN — Nem bilong taim bipo bipo tru (GEOLOGICAL PERIODS AND ERAS) i kamap 570 milin krismas bipo i pinis 500 milin krismas bipo.

CANINE — Nem bilong wanpela lain animal olsem dok na sampela animal i klostu olsem dok.

CAPILLARY — Nem bilong liklik rot tru bilong blut. Nau win i stap insait long CAPILLARY i go insait long mit. (Fig. 10 page 21).

CARAPACE Nem bilong strongpela ausait skin bilong wanpela lain (PHYLUM) long binatang. Ol i kalim ARTHROPOD.

CARBOHYDRATE Nem bilong samting i stap insait kaikai. Nau bihain long kaikai, bodi bilong animal i save wokim pawa i stap insait long CARBOHYDRATE. Kaukau na prut i gat planti CARBOHYDRATE. Mit i no gat planti CARBOHYDRATE.

CARBONIFEROUS Nem bilong wanpela taim bipo bipo tru (GEOLOGICAL PERIODS AND ERAS) i kamap 345 milin krismas bipo na pinis 280 milin krismas bipo.

CARDIAC Nem bilong olgeta samting bilong hat. (Fig. 22 page 43).

CARNIVORE Nem bilong pasin bilong sampela animal i save kaikai arapela animal.

CAROTID ARTERY Nem bilong rop bilong blut i karim blut long hat i go long het.

CARPALS Nem bilong planti liklik bun i stap long han.

CARPEL Nem bilong sem bilong meri plaua. CARPEL i save mekim meri kiau (OVULE). (Fig. 21 page 37).

CARTILAGE Nem bilong sampela samting olsem bun i stap insait long bodi em i no strong tumas. Bihain sampela CARTILAGE inap long kamap strongpela tru.

CARYOPSIS Nem bilong prut bilong gras diwai.

CATABOLISM Nem bilong samting sapos wanpela bikpela samting i brukbrukim long tupela liklik samting. Oltaim CATABOLISM i save wok insait long bodi.

CATERPILLAR Nem bilong pikinini bilong bataplai em i lukluk olsem liklik snek.

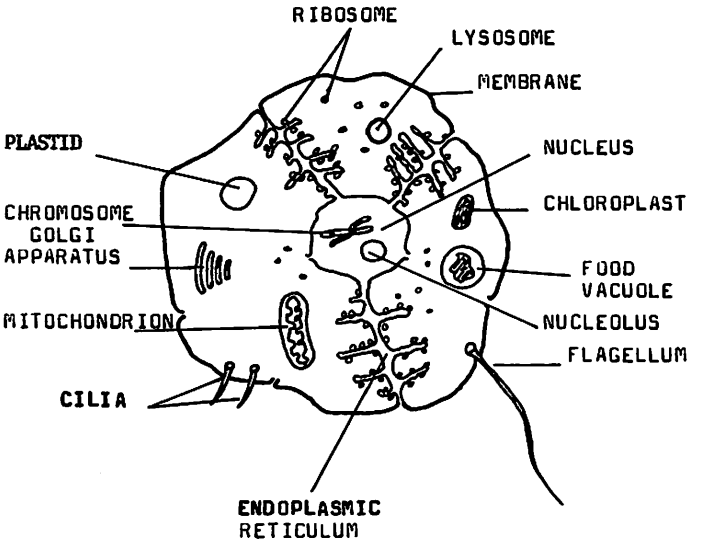
CAUDAD Nem bilong hap long bodi i stap klostu long tel long animal (CAUDAL).

CAUDAL Nem bilong olgeta samting bilong animal i stap long klostu long tel. (Fig. 3 page 6).

CELL Nem bilong as bilong olgeta animal na diwai. Planti CELL i kamap long mekim wanpela animal or diwai. Wanpela CELL i gat planti kain kain liklik rum tru (ORGANELLE) i stap insait long CELL.

Figure 9.

Piksa bilong CELL



CELLULOSE Nem bilong samting i stap insait long diwai i mekim skin bilong em.

CELL WALL Nem bilong strongpela banis bilong CELL i stap long ausait long CELL bilong diwai.

CENOZOIC — Nem bilong bipo bipo tru. (GEOLOGICAL PERIODS AND ERAS). CENOZOIC i stap 65 milin kriamas bipo na i stap nau.

CENTRUM — Nem bilong bikpela hap long bun bilong baksait na bun bilong nek (VERTEBRAE).

CEPHALIC — Nem bilong olgeta samting bilong animal i stap klostu long hat.

CEREBELLUM — Nem bilong hap long kru bilong hat (BRAIN). CEREBELLUM i save bosim mit(MUSCLE, GLAND) bilong animal.

CEREBRUM — Nem bilong hap long kru bilong hat (BRAIN) em i save wokim tingting bilong man.

CERVICAL — Nem bilong olgeta samting bilong nek. (Fig. 38 page 92).

CERVIX — Nem bilong samting i stap long baksait long bokis (VAGINA) bilong meri. (Fig. 31 page 68).

CESTODA — Nem bilong wanpela lain (CLASS) bilong liklik snek (WORM). CESTODA i stap insait long animal i save kaikai em.

CHAETA (SETA) — Nem bilong strongpela gras bilong sampela liklik snek (ANNELIDA).

CHELONIA — Nem bilong wanpela lain (ORDER) long animal. CHELONIA i gat trausel.

CHILOPODA — Nem bilong wanpela lain (CLASS) long ARTHROPODA. Animal bilong CHILOPODA em i plantihan.

CHIROPTERA Nem bilong lain (ORDER) bilong animal. CHIROPTERA i gat blakbokis.

CHLORENCHYMA Nem bilong wanpela kain CELL i stap insait long diwai. CHLORENCHYMA em i grinpela. Na em i gat planti CHLOROPLASTS i stap insait long CELL.

CHLOROPHYTA Nem bilong wanpela kain diwai (ALGAE). CHLOROPHYTA em i grinpela i no gat lip tru na stik (STEM) na as (ROOT) bilong em. CHLOROPHYTA em i stap long solwara.

CHLOROPLASTS Nem bilong liklik bilum tru (PLASTID) i stap insait long CHLORENCHYMA CELL. Em i grinpela na i save mekim kaikai long san na win na wara tasol (PHOTOSYNTHESIS). (Fig. 9 page 18).

CHONDRICHTHYES Nem bilong wanpela lain long pis. Sak bilong lain long CHONDRICHTHYES.

CHORDATE Nem bilong wanpela bikpela lain(PHYLUM) bilong animal. CHORDATE em i gat mambu (NOTOCHORD) i stap long baksait bilong em. Man na pisin na kapul na snek na palai na pis olgeta bilong lain long CHORDATE.

CHORION Nem bilong wanpela kain bilum i stap long ausait long pikinini i gat blut yet (FETUS, FOETUS). (Fig. 16 page 30).

CHROMATID Nem bilong wanpela hap long liklik rop tru (CHROMOSOME) i stap insait long CELL. Tupela CHROMATID i pas wantaim nau bihain i brukim namel long tupela.

CHROMOPLAST — Nem bilong liklik bilum tru (PLASTID) i stap insait long CELL bilong diwai. CHROMOPLAST em i gat kala (PIGMENT) i stap insait long em. (Fig. 9 page 18).

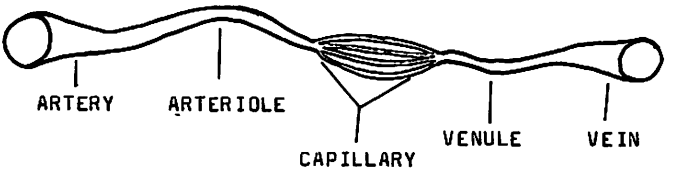
CHROMOSOME — Nem bilong liklik rop tru i stap insait long CELL. CHROMOSOME i save wokim nupela CELL. DNA na HISTONES stap long CHROMOSOME. CHROMOSOME i gat planti GENE i stap long em. (Fig. 9 page 18).

CILIA (s.CILIUM) — Nem bilong liklik gras tru i stap long sampela kain CELL. CILIA i helpim CELL wokabaut na kaikai. (Fig. 9 page 18).

CIRCADIAN RHYTHM — Nem bilong sampela pasin bilong animal na diwai i save wokim sampela samting long wanpela de. Tok piksa: slip em i kamap wanpela taim long wanpela de. Slip em wanpela hap long CIRCADIAN RHYTHM.

CIRCULATORY SYSTEM — Nem bilong olgeta rop bilong blut. Nau blut em i ran nabaut insait long bodi long CIRCULATORY SYSTEM.

Figure 10.



CLASS Nem bilong wanpela hap long olgeta nem bilong animal na diwai. (CLASSIFICATION). Planti CLASS long animal na diwai i stap long wanpela bikpela lain (PHYLUM). Nau CLASS em i gat planti arapela lain (ORDER) bilong em.

CLASSIFICATION Nem bilong kisim save long em wanem lain bilong animal or diwai i gat. Olgeta animal na diwai bilong sampela lain. Olgeta animal na diwai yu ken i putim long lain i stap daunbilo:

KINGDOM
PHYLUM (DIVISION)
CLASS
ORDER
FAMILY
GENUS
SPECIES.

CLAVICLE Nem bilong wanpela bun bilong solda i stap long fran long solda. (Fig. 38 page 92).

CLEAVAGE Nem bilong oltaim liklik kiau tru (ZYGOTE) i brukim namel namel long kiau. Nau i mekim tupela CELL. Bihain CLEAVAGE, tupela i kamap foapela, na foapela i kamap etpela.

Figure 11.

CLINE Nem bilong taim senis bilong mak i kamap long hap (POPULATION) long wanpela liklik lain (SPECIES) long animal or diwai.

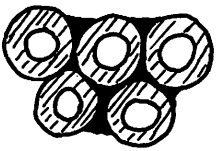
CLOACA — Nem bilong wanpela kain as bilong sampela kain animal. Em i wanpela hul tasol. Pispis, pekpek, na wara bilong man (SEMEN) kamaut long CLOACA. Man i no gat CLOACA. Em i gat tupela hul i kamaut long bodi bilong em.

COCCYX — Nem bilong bun bilong tel bilong animal em i bung wantaim.

COLEOPTERA — Nem bilong wanpela lain (ORDER) long INSECT. Em i gat foapela WING. Tupela WING bilong em i stap long fran em i strong i no save flai gut. Na arapela tupela WING em i no strong tumas, nau dispela tupela i stap ananit na i save flai gut.

COLLENCHYMA — Nem bilong wanpela kain CELL i bung wantaim (TISSUE). COLLENCHYMA i stap insait long diwai. COLLENCHYMA em i strongpela CELL i helpim diwai i sanap strong.

Figure 12. Piksa bilong COLLENCHYMA CELL



COLON — Nem bilong hap long rot bilong kaikai (INTESTINE). COLON i stap long baksait long bel. COLON i lusim pekpek long bel bilong animal. (Fig. 15 page 28).

COMMENSALISM — Nem bilong pasin bilong tupela kain kain animal i bung wantaim. Nau wanpela animal em i helpim arapela animal sindaun gut.

COMMUNITY — Nem bilong olgeta ples long planti kain animal na diwai i sindaun gut wantaim.

CONIFER — Nem bilong wanpela lain long bikpela diwai. CONIFER em i no gat plaua bilong em. Klinky Pine bilong lain long CONIFER.

COPULATION — Nem bilong puspus.

CORIUM — Nem bilong wanpela skin i stap ananit long ausait skin.

CORNEA — Nem bilong windo bilong ai. (Fig. 17 page 34).

COROLLA — Nem bilong wanpela hap long plaua i gat planti kala (PETAL). (Fig. 21 page 37).

CORONARY VESSELS — Nem bilong rot bilong blut bilong hat.

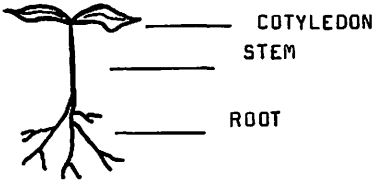
CORPUS LUTEUM — Sapos meri kiau (OVUM) i go daun long bokis bilong meri, nau bihain CORPUS LUTEUM i kamap insait long bodi bilong meri. CORPUS LUTEUM i save mekim marasin i helpim pikinini i kamap strong insait long bel.

CORTEX — Nem bilong olgeta skin i stap long ausait long animal na diwai.

COSTAL — Nem bilong olgeta samting bilong ol bun bilong banis (RIB). (Fig. 38 page 92).

COTYLEDON — Nem bilong nambawan lip i kamap long kru diwai:

Figure 13.



CRANIUM — Nem bilong hap long bun bilong het (SKULL). CRANIUM i karamapim kru bilong het (BRAIN). (Fig. 38 page 92).

CROCODILIA — Nem bilong wanpela lain (ORDER) long animal. Pukpuk bilong lain CROCODILIA.

CRUSTACEA — Nem bilong wanpela kain lain (CLASS) long animal. CRUSTACEA em i stap long wara na solwara. Kuka na kindaun na planti arapela animal bilong lain long CRUSTACEA.

CUTANEOUS — Nem bilong olgeta samting bilong skin.

CUTICLE — Nem bilong wanpela kain skin i stap long ausait long diwai or nem bilong ausait skin bilong binatang (INSECT).

CYANOPHYTA — Nem bilong liklik diwai tru. Em i no gat lip na stik (STEM) na as bilong diwai (ROOT) bilong em. CYANOPHYTA em i klostu liklik binatang tru (BACTERIA). CYANOPHYTA i stap long wara na solwara.

CYCADALES — Nem bilong wanpela lain (ORDER) long diwai. Lain bilong CYCADALES i kamap bipo bipo tru. CYCADALES i gat pikinini (SEED) bilong em. Em i no gat plaua bilong em. Lip bilong CYCADALES em i olsem lip bilong FERN.

CYST — Nem bilong pasin bilong sampela animal na diwai i stap insait long strongpela samting tru. Nau nating i save bagarapim sapos CYST i kamap.

CYTOKINESIS — Nem bilong taim bilong CELL i brukin long namel na i mekim tupela CELL (MITOSIS, MEIOSIS). (Fig. 11 page 22; Fig. 27 page 60).

CYTOKININS — Nem bilong sampela marasin (HORMONE) i stap insait long diwai. CYTOKININS em i gat planti kain kain wok bilong em. Em i helpim CELL bilong diwai mekim nupela CELL na em i helpim pikinini diwai (SEED) i kamap bikpela (GERMINATION).

CYTOLOGY — Nem bilong lainim samting long CELL.

CYTOPLASM — Nem bilong strongpela wara i stap insait long olgeta CELL. (Fig. 9 page 18).

DACTYL — Nem bilong olgeta samting bilong pinga bilong han na bilong lek.

DECIDUOUS — Nem bilong sampela kain diwai. Em i lusim lip sampela taim long wanpela yia.

DEFECATION — Nem bilong pekpek.

DENDRITES — Nem bilong wanpela hap long rot wailis (NERVE) i stap long pran long rot wailis. (Fig. 28 page 63).

DENTARY — Nem bilong bun bilong wasket (JAW). Tit i stap long DENTARY. (Fig. 38 page 92).

DERMAL — Nem bilong olgeta samting bilong skin i stap long ausait long bodi.

DETRITUS — Nem bilong rabis bilong diwai na animal.

DEVONIAN — Nem bilong wanpela taim bipo bipo tru (GEOLOGICAL PERIODS AND ERAS) i kamap 385 milin krismas bipo i pinis 345 milin krismas bipo.

DIAPHRAGM Nem bilong mit (MUSCLE) i stap long namel long bel na banis bilong win (THORACIC). DIAPHRAGM i helpim sampela animal i pulim win.

DIAPHYSIS Nem bilong wanpela hap bilong longpela bun (FEMUR, HUMERUS) bilong han no lek. Or nem bilong hap long bun bilong baksait (VERTEBRAE).

DICHOTOMOUS Nem bilong taim sampela samting i bruk namel i kamap tupela samting.

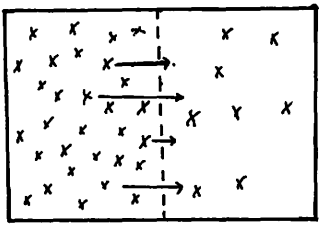
DICOTYLEDON Nem bilong sampela kain diwai i gat tupela pikinini lip (COTYLEDON) long taim kru diwai i kamap. (Fig. 13 page 24).

DIFFERENTIATION Nem bilong taim wanpela kain CELL i tainim long arapela kain CELL na mit.

DIFFUSION Nem bilong taim sampela samting i stap long wanpela hap i gat planti sampela samting i surikim i go long arapela hap i no gat planti samting. DIFFUSION i no kisim pawa long wokim dispela.

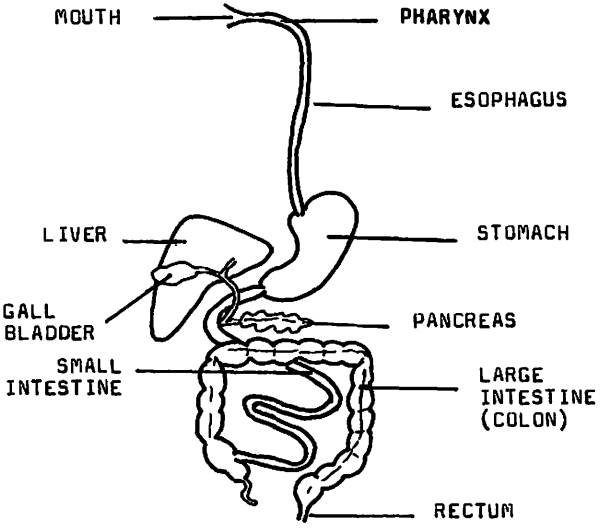
Figure 14.

Piksa bilong DIFFUSION



DIGESTION — Nem bilong brukbrukim kaikai i stap long bel.

Figure 15.



DIOECIOUS — Nem bilong pasin bilong animal na diwai i gat wanpela sem i stap long meri na arapela sem i stap long man.

DIPTERA — Nem bilong wanpela kain lain (ORDER) long binatang (INSECT). Em i gat tupela WING tasol. Lang na natnat olsem moskito bilong lain long DIPTERA.

DNA (DESOXYRIBONUCLEIC ACID) — Nem bilong sampela samting liklik tru i stap insait wanpela rum (NUCLEUS) i stap insait long CELL. DNA bilong olgeta animal na diwai. DNA i gat olgeta tok save long mekim nupela CELL bilong animal na diwai.

DORMANT — Nem bilong pasin bilong sampela animal na diwai i slip longpela taim tru, i no muv. Sapos animal na diwai em i DORMANT i no inap long wokabaut no kaikai na kamap bikpela. Em i no dai tru.

DORSAL — Nem bilong sampela hap long bodi em i stap long baksait or klostu long baksait. (Fig. 3 page 6).

DUCT — Nem bilong sampela kain mambu i stap insait long bodi. Nau sampela marasin (HORMONE) i save ran long dispela DUCT.

DUODENUM — Nem bilong wanpela hap long rot bilong kaikai (INTESTINE) i stap bihain long bel (STOMACH). DUODENUM em nambawan hap long INTESTINE.

ECDYSIS — Nem bilong pasin bilong wanpela bikpela lain (PHYLUM) bilong ARTHROPODA i lusim ausait skin bilong em.

ECHINODERM — Nem bilong wanpela bikpela lain (PHYLUM) bilong animal i stap long solwara. Ol i kalim sta.

ECOLOGY — Nem bilong wanpela hap long BIOLOGY. ECOLOGY em i tok animal na diwai i save bung na sindaun gut wantaim long ausait ples (ENVIRONMENT) bilong em. ECOLOGY em i olsem lainim samting long olgeta pasin bilong animal na diwai na ples bilong em.

ECOSYSTEM — Nem bilong bikpela bung long animal na diwai na ples (ENVIRONMENT) bilong em olsem.

ECTO- — Nem bilong olgeta samting i stap long ausait arapela samting.

ECTODERM — Nem bilong ausait skin bilong liklik pikinini (GASTRULA) i stap insait long meri. Bihain ECTODERM i mekim ausait skin na rot wailis (NERVE) bilong bikpela animal.

ECTOPARASITE — Nem bilong sampela liklik binatang i stap long ausait skin long arapela animal na em i save kaikai dispela animal.

ECTOPLASM — Nem bilong strongpela wara (CYTOPLASM) i no save ran kwik i stap insait long CELL.

EFFERENT — Nem bilong olgeta taim samting i go ausait. Tok piksa: EFFERENT rot wailis (NERVE) emi nem bilong sampela NERVE i kamaut long hat.

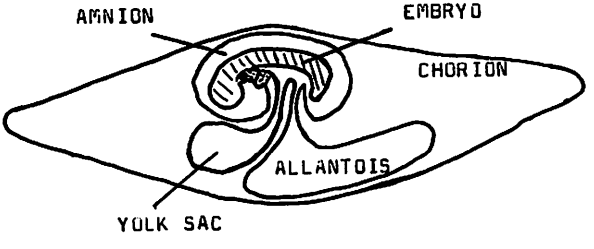
EJACULATION — Nem bilong taim wara bilong man (SEMEN) i kamaut long kok bilong animal.

ELBOW — Nem bilong skru bilong han.

ELYTRA — Nem bilong tupela WING i stap long ausait long binatang bilong lain (ORDER) oli kalim COLEOPTERA. ELYTRA em i strongpela WING tru.

EMBRYO — Nem bilong liklik pikinini i stap insait long meri.

Figure 16.



EMBRYOLOGY — Nem bilong lainim samting bilong EMBRYO.

ENAMEL — Nem bilong strongpela samting tru i stap long ausait long tit.

ENDEMIC — Nem bilong animal na diwai i stap long ples bilong em long pastaim tru.

ENDO- — Nem bilong olgeta samting i stap long insait long arapela samting.

ENDOCRINE GLAND — Nem bilong sampela kain CELL i bung wantaim (GLAND) olsem mit i save mekim sampela marasin (HORMONE) i stap insait long bodi.

ENDODERM — Nem bilong insait skin bilong liklik pikinini (GASTRULA) i stap insait long meri. Bihain ENDODERM i mekim wit lewa (LUNG) na rop bilong kaikai (INTESTINE) na planti arapela samting bilong bel.

ENDODERMIS — Nem bilong wanpela hap long stik diwai (STEM) i stap long insait long stik diwai. ENDODERMIS i stap klostu long ausait long rot bilong STEM i save karim wara na kaikai (VASCULAR BUNDLE).

ENDOPARASITE — Nem bilong liklik binatang i go insait long bodi bilong arapela animal na save kaikai em.

ENDOPLASMIC RETICULUM — Nem bilong liklik rot tru i stap insait long CELL. ENDOPLASMIC RETICULUM i karim sampela samting long insait long CELL. (Fig. 9 page 18).

ENDOSKELETON — Nem bilong olgeta bun i stap insait long bodi bilong animal.

ENDOSPERM — Nem bilong sampela samting bilong pikinini (SEED) bilong diwai. ENDOSPERM i karamapim kiau (EMBRYO) bilong diwai. EMBRYO i save kaikai ENDOSPERM. (Fig. 38 page 92).

ENVIRONMENT — Nem bilong olgeta samting long animal na diwai i save sindaun. ENVIRONMENT i gat planti hap bilong em.

1. Ren
2. San
3. Win
4. Lait
5. Graun
6. Hat na kol
7. Animal
8. Binatang
9. Diwai
10. Liklik binatang tru. (BACTERIA).

Ol i save helpim animal na diwai i sindaun gut.

ENZYME — Nem bilong sampela samting, olsem sampela kain marasin i helpim wokim ANABOLISM na CATABOLISM tupela samting bilong wok bilong bodi ol i kalim METABOLISM. ENZYME i helpim tasol i no save go insait wantaim em.

EPI- — Nem bilong sampela samting i stap long ausait long arapela samting.

EPICOTYL — Nem bilong hap long stik bilong kru i kamap long graun. EPICOTYL em i hap long stik is stap antap long lip bilong kru bilong diwai.

EPIDERMIS — Nem bilong ausait skin bilong animal na diwai.

EPIGEAL — Nem bilong pasin bilong sampela animal na diwai i save sindaun antap long graun.

EPIGLOTTIS — Nem bilong wanpela kain mit i stap long baksait long maus (PHARYNX). EPIGLOTTIS em pasim mambu (LARYNX) bilong win long taim bilong kaikai.

EPINEPHRINE — Olsem ADRENALINE.

EPIPHYTE — Nem bilong wanpela pasin bilong sampela kain diwai i save sindaun long arapela diwai.

EPITHELIUM — Nem bilong sampela kain CELL i bung wantaim na mekim laplap long CELL i karmapim mit (ORGAN) i stap insait long bodi.

ERYTHROCYTE — Nem bilong retpela CELL i stap insait long blut. Em i save karim win (OXYGEN).

ESOPHAGUS (OESOPHAGUS) — Nem bilong mambu bilong kaikai i kamaut long baksait long maus (PHARYNX) i go long bel (STOMACH).

ESTROGEN (OESTROGEN) — Nem bilong sampela marasin (HORMONE) i stap insait long meri long sampela kain animal. ESTROGEN i save mekim sem bilong meri i kamap.

ETHIOPIAN REGION — Nem bilong wanpela ples i gat animal (ZOOGEOGRAPHY). Wanpela hap long Africa bilong ETHIOPIAN REGION.

ETIOLATION — Nem bilong pasin bilong diwai. Nau sapos yu putim sampela diwai insait sampela rum i no gat lait, diwai em i sensisim long yelopela na liklik lip i kamap long em na stik (STEM) bilong em i kamap longpela i no strongpela tumas.

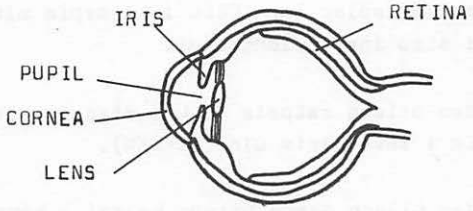
EUKARYOTIC — Nem bilong olgeta CELL i gat sampela rum (ORGANELLE) i stap insait long em.

EVOLUTION — Nem bilong wanpela lo bilong BIOLOGY i tok; olgeta animal or diwai senis long olgeta taim. Nau sampela taim, sapos wanpela kain animal or diwai i gat planti senis tru, nau insait planti planti yias tru, olsem milin krismas, dispela animal or diwai i senis long arapela animal or diwai.

EXCRETION — Nem bilong pasin bilong olgeta animal i rausim rabis i stap insait long bodi bilong em.

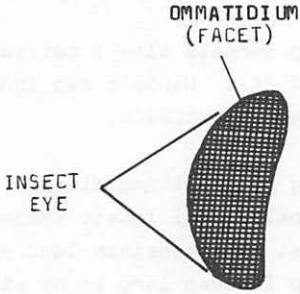
EYE — Nem bilong ai. Piksa bilong EYE stap daunbilo:

Figure 17.



FACET — Ai bilong binatang (INSECT) i gat planti liklik ai i bung wantaim. Nem bilong wanpela liklik ai bilong binatang em i FACET.

Figure 18.



FASCIA — Nem bilong sampela kain laplap i stap insait long bodi bilong animal. FASCIA i karmapim na bungim tupela hap wantaim i stap insait long bodi.

FALLOPIAN TUBE — Nem bilong mambu i stap insait long bodi bilong meri bilong sampela kain animal. FALLOPIAN TUBE i kamaut long ples (OVARY) bilong kiau i kamap. FALLOPIAN TUBE i karim kiau (OVUM) long bel (UTERUS) bilong meri. (Fig. 31 page 68).

FAMILY — Nem bilong wanpela hap long olgeta nem bilong animal or diwai (CLASSIFICATION). Planti FAMILY bilong animal or i stap long wanpela arapela lain (ORDER). Na FAMILY i gat planti lain bilong em ol i kalim GENUS.

FAUNA — Nem bilong olgeta animal i sindaun long wanpela hap (COMMUNITY).

FEATHER — Nem bilong gras bilong pisin.

FECES (FAECES) — Nem bilong pekpek.

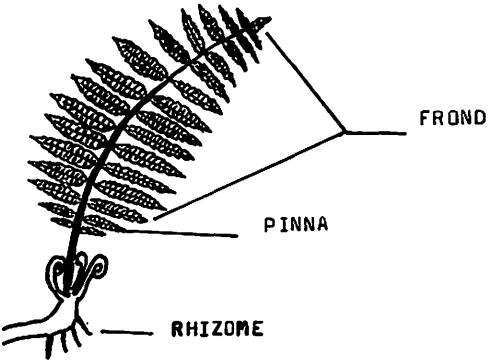
FEMORAL ARTERY — Nem bilong rot bilong blut i stap insait long lek.

FEMUR — Nem bilong longpela bun i stap long lek bilong animal. (Fig. 38 page 92).

FERMENTATION — Nem bilong pasin bilong liklik diwai tru (YEAST). Nau dispela YEAST i save brukbrukim sampela kain suga. Nau YEAST i no laik pulim win (ANAEROBIC) long FERMENTATION.

FERN — Nem bilong sampela kain diwai i no gat plaua na i no gat as tru (ROOT) olsem diwai.

Figure 19.



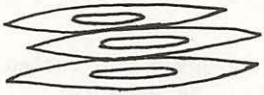
FERTILIZATION — Nem bilong pasin bilong planti diwai na animal. FERTILIZATION em i taim bilong kiau bilong man (SPERM) na meri (OVUM, OVULE) i bung wantaim na mekim pikinini kamap.

FETUS (FOETUS) — Nem bilong pikinini i stap insait long bel (UTERUS) bilong meri. (Fig. 16 page 30).

FIBER (FIBRE) — Nem bilong wanpela hap long SCLERENCHYMA CELL bilong diwai. Em i strongpela i helpim diwai i sanap strong.

Figure 20.

Piksa bilong FIBRE



FIBRIN — Nem bilong wanpela kain liklik mit tru (PROTEIN) i stap insait long blut. FIBRIN i mekim blut i kamap strong sapos samting katim skin bilong animal.

FIBULA — Nem bilong wanpela bun i stap long lek bilong sampela kain animal i stap namel long skru bilong lek (KNEE) na long fut. (Fig. 38 page 92).

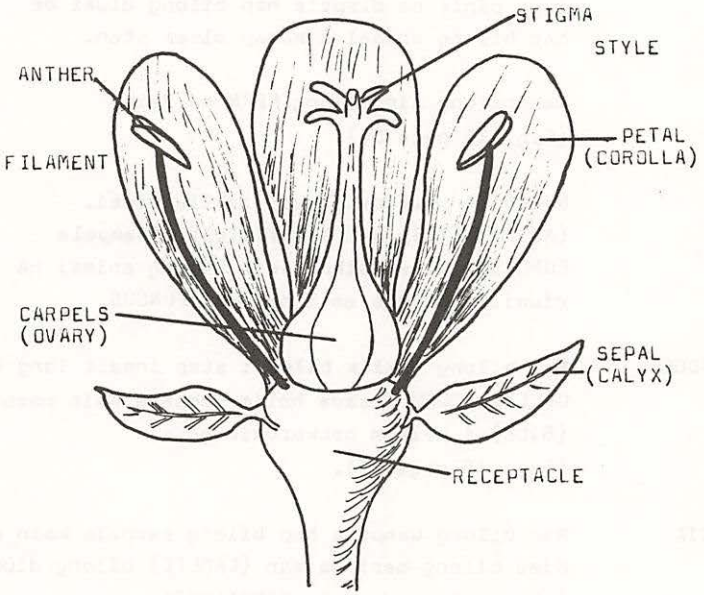
FISSION — Nem bilong wanpela kain ASEXUAL REPRODUCTION. Wanpela CELL i katim long namel na tupela CELL i kamap.

FLAGELLA (s.FLAGELLUM) — Nem bilong liklik gras i stap long sampela kain CELL. FLAGELLA lukluk olsem tel bilong sampela CELL i helpim CELL wokabaut. (Fig. 9 page 18).

FLORA — Nem bilong olgeta lain long diwai i stap long wanpela ples (COMMUNITY) long graun.

FLOWER — Nem bilong plaua.

Figure 21.



FONTANELLE — Nem bilong sampela hul i stap long namel long bun bilong het bilong pikinini.

FOOD CHAIN — Nem bilong wanpela hap bilong ECOLOGY. Em i olsem piksa i soim olgeta animal na diwai i stap long sampela ples (COMMUNITY) i save kaikai em wanem samting.

FORAMEN — Nem bilong hul i stap long bun. Rot wailis (NERVE) na rop bilong blut i save kamaut long FORAMEN.

FOSSAE (s.FOSSA) — Nem bilong olgeta hul i no daun tumas i stap long bodi.

FOSSIL — Nem bilong olpela hap long diwai na animal. Nau bihain em i stap insait long graun long planti taim tru. Bihain planti krismas i go pinis na dispela hap bilong diwai or hap bilong animal i kamap olsem ston.

FROND — Nem bilong lip bilong FERN na Palm. (Fig. 19 page 35).

FUNGUS — Nem bilong wanpela kain liklik diwai. (ASCOMYCETES, BASIDIOMYCETES). Sampela FUNGUS i save kaikai skin bilong animal na diwai. Talinga em i bikpela FUNGUS.

GALL BLADDER — Nem bilong liklik bilum i stap insait long bel. GALL BLADDER i save holim sampela kain marasin (BILE) i helpim brukbrukim gris. (Fig. 15 page 28).

GAMETANGIA — Nem bilong wanpela hap bilong sampela kain diwai. Kiau bilong meri na man (GAMETE) bilong diwai i kamap long dispela GAMETANGIA.

GAMETE — Nem bilong kiau bilong man (SPERM) na kiau bilong meri (OVUM, OVULE). Olgeta animal na diwai sapos i gat SEXUAL REPRODUCTION em i gat tupela kain GAMETE.

GANGLION — Nem bilong taim long planti CELL bilong rot wailis (NERVE) i bung wantaim.

GASTRIC — Nem bilong olgeta samting i stap long hap bel (STOMACH) i save brukbrukim kaikai. (DIGESTION).

GENE — Nem bilong liklik hap long liklik rop tru (CHROMOSOME) i stap insait long CELL. Wanpela CHROMOSOME em i gat planti GENE i stap long em. Wanpela GENE i gat save long mekim wanpela kain liklik mit tru (PROTEIN) tasol. Nau bihain, kain kain PROTEIN i bung wantaim na mekim nupela mit na gras na ai na lip na plaua na olgeta samting bilong animal na diwai.

GENITAL — Nem bilong sem bilong man na meri.

GENUS — Nem bilong wanpela hap long olgeta nem bilong animal na diwai (CLASSIFICATION). GENUS i stap daunbilo long FAMILY, na wanpela GENUS i gat planti liklik lain (SPECIES) bilong em.

GEOLOGICAL PERIODS AND ERAS

Nem bilong taim bipo bipo tru.

Nem bilong ERA.	Nem bilong PERIOD	Em wanem taim i kamap long pastaim tru. mya = milin krismas bipo.
CENOZOIC	QUATERNARY	1.5 mya
	TERTIARY	65 mya
MESOZOIC	CRETACEOUS	135 mya
	JURASSIC	190 mya
	TRIASSIC	225 mya
PALEOZOIC	PERMIAN	280 mya
	CARBONIFEROUS	345 mya
	DEVONIAN	395 mya
	SILURIAN	440 mya
	ORDOVICIAN	500 mya
	CAMBRIAN	570 mya

PRE-CAMBRIAN

GEOTAXIS — Nem bilong pasin bilong animal i save wokabaut i kam or wokabaut i go long pawa bilong graun i pulim daun (GRAVITY).

GEOTROPISM — Nem bilong pasin bilong diwai i save kamap long pawa bilong graun i pulim daun (GRAVITY).

GERMINATION — Nem bilong taim pikinini diwai (SEED) i kamap diwai.

GESTATION — Nem bilong taim pikinini i stat (FERTILIZATION) na i kamap.

GIBBERELLIN — Nem bilong sampela kain marasin (HORMONE) i stap insait long diwai. GIBBERELLIN i helpim stik (STEM) i kamap longpela na helpim plaua bilong diwai i kamap na prut olsem.

GILL — Nem bilong sampela samting i stap insait long animal bilong wara na solwara. GILL em i olsem wanpela kain mit (ORGAN) i save pulim win long wara.

GLAND — Nem bilong wanpela CELL or planti CELL i bung wantaim. GLAND i save mekim marasin (HORMONE, ENZYME). Nau bihain marasin i kamaut long GLAND i go insait long rop bilong blut or go insait arapela kain mit i stap insait long bodi.

GLOMERULUS (pl.GLOMERULI) — Nem bilong as bilong wanpela mit (KIDNEY) bilong bodi i save mekim pispis.

GLUCOSE — Nem bilong wanpela kain suga.

GOLGI APPARATUS — Nem bilong wanpela kain liklik rum tru (ORGANELLE) i stap insait long CELL. GOLGI APPARATUS i save mekim sampela kain marasin bilong CELL. (Fig. 9 page 18).

GONAD — Nem bilong hap long bodi i save mekim kiau bilong meri (OVUM) na kiau bilong man (SPERM). Tupela ol i kalim GAMETE.

GRAVITY — Nem bilong pawa bilong graun i pulim olgeta samting i go daun.

GUT — Nem bilong bel.

GUTTATION — Nem bilong taim lip diwai na gras i gat wara nabaut long morning taim.

GYMNOSPERMS — Nem bilong wanpela lain bilong bikpela diwai. GYMNOSPERM em i no gat plaua. CONIFER bilong lain long GYMNOSPERM. Tok piksa: Klinky Pine em i wanpela GYMNOSPERM.

GYNOECIUM — Nem bilong olgeta meri sem bilong diwai i stap long plaua bilong em.

HABITAT — Nem bilong sampela ples i gat wanpela kain ENVIRONMENT. Nau animal na diwai i save sindaun gut long HABITAT bilong em. Tok piksa: graun i stap klostu long solwara em i wanpela kain HABITAT.

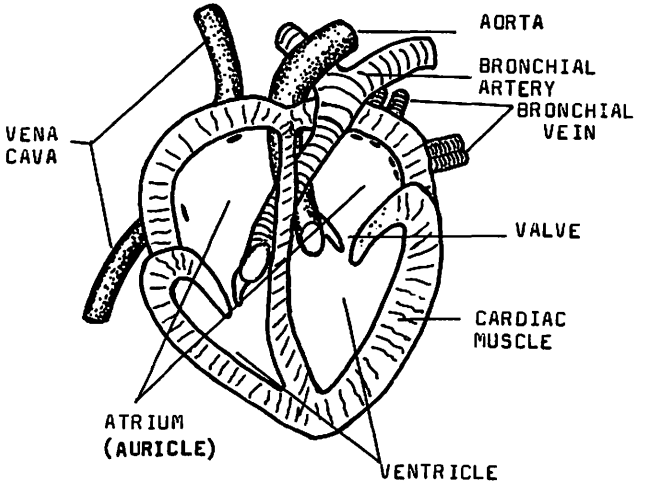
HAIR — Nem bilong gras bilong lain long MAMMAL.

HALOPHYTE — Nem bilong kain kain diwai i save sindaun gut long ples i gat planti sol i stap long graun.

HAPLOID — Nem bilong CELL i gat wanpela hap long tupela CHROMOSOME.

HEART — Nem bilong wanpela hap long bodi bilong animal, ol i kalim hat. HEART i save muvim blut i go raun long bodi. HEART em i olsem pamp bilong bodi. Piksa bilong hat i stap daunbilo:

Figure 22.



HEARTWOOD — Nem bilong kain diwai i stap insait long namel long stik bilong bikpela diwai. HEARTWOOD em i olpela rot bilong karim kaikai na wara (VASCULAR BUNDLE). HEARTWOOD em i strongpela tru, na i save mekim bikpela diwai i sanap strongpela i no pundaun.

HEMAL — Nem bilong olgeta samting bilong blut.

HEMIPTERA — Nem bilong wanpela lain (ORDER) bilong binatang (INSECT). Em i gat foapela WING bilong em. Nau tupela i stap antap hap bilong em i strong na arapela hap em i no strong tumas. Binatang bilong HEMIPTERA em i save kaikai wara bilong lip na stik diwai.

HEMOGLOBIN — Nem bilong sampela samting i stap insait long blut bilong sampela animal. HEMOGLOBIN i save karim win.

HERMAPHRODITE — Nem bilong pasin bilong sampela animal na diwai. Sapos animal na diwai em i HERMAPHRODITE em i save mekim man kiau na meri kiau (GAMETES) wantaim.

HERB — Nem bilong sampela kain diwai i no gat strongpela stik i stap antap long graun long olgeta taim.

HIBERNATE — Nem bilong pasin bilong sampela animal i stap long ples kol (TEMPERATE). Nau taim i kamap planti kol tumas, sampela animal i go olsem slip i no muv long planti mun tru, nau i no dai.

HIRUDINEA — Nem bilong lain (CLASS) bilong liklik snek i save dringim blut (LEECH).

HISTONE — Nem bilong sampela liklik mit tru (PROTEIN) i stap long liklik rop tru (CHROMOSOME) i stap insait long CELL.

HOMO- — Nem bilong olgeta samting em i olsem sampela arapela samting.

HOMONIDAE — Nem bilong lain (FAMILY) bilong man.

HOMEOTHERM — Nem bilong pasin bilong sampela animal (MAMMAL, BIRD) i gat wanpela pilim tasol i stap insait long bodi bilong em.

HOMODONT — Nem bilong mak bilong animal i gat wanpela kain tit tasol.

HOMOLOGY — Nem bilong tupela hap bilong bodi i stap long tupela kain animal or diwai i kamap olsem long taim animal or diwai i stap insait long bel (EMBRYOLOGY). Nau bihain tupela hap bilong tupela animal or diwai i no gat wankain wok bilong em. Tok piksa: han bilong kapul na WING bilong pisin i kamap olsem. Nau bihain, kapul i save wokabaut long han bilong em na pisin i save flai long WING bilong em.

HYBRID — Nem bilong sampela pikinini bilong animal na diwai i kamap. Nau papa bilong em i wanpela kain animal or diwai na mama bilong em i arapela kain animal or diwai.

HYMEN — Nem bilong laplap (MEMBRANE) i stap long fran long bokis bilong meri i no puspus yet.

HYMENOPTERA — Nem bilong wanpela lain (ORDER) bilong binatang (INSECT). Em i gat foapela WING or em i no gat WING. Binatang i save kaikai man (BEE) na anis bilong lain HYMENOPTERA.

HYPHA (pl.HYPHAE) — Nem bilong liklik rop tru i stap long sampela kain liklik diwai (FUNGUS).

HYPO- — Nem bilong olgeta samting i gat liklik samting or nem bilong sampela samting i stap daunbilo arapela samting.

HYPOCOTYL — Nem bilong hap long liklik stik bilong pikinini diwai i kamap long graun olsem kru. HYPOCOTYL i stap daunbilo lip bilong kru (COTYLEDON).

IAA (INDOLE ACETIC ACID) — Nem bilong wanpela marasin (HORMONE) i stap insait long diwai. IAA i save bosim haumas diwai i kamap.

ILEUM — Nem bilong wanpela hap bilong liklik rot bilong kaikai (SMALL INTESTINE). ILEUM em i stap klostu long bikpela rot bilong kaikai (LARGE INTESTINE).

ILIUM — Nem bilong hap bilong bun bilong baksait long lek (PELVIC GIRDLE). ILIUM i save holim lek na i joinim long wanpela bun bilong baksait (VERTEBRAE). (Fig. 38 page 92).

IMBRICATE — Nem bilong taim wanpela samting stap antap long arapela samting. Piksa bilong IMBRICATE em i olsem:

IMMUNITY — Nem bilong taim sapos liklik binatang tru (BACTERIA) i go insait long bodi bilong sampela animal. Nau animal i save pait long liklik binatang tru. Nau liklik binatang i no kan kaikai animal.

IMPERFECT FLOWER — Nem bilong sampela kain plaua i gat sem bilong meri or sem bilong man plaua tasol i no gat tupela kain sem wantaim.

INDIGENOUS — Nem bilong olgeta animal na diwai i sindaun long wanpela hap long olgeta taim. Nau tumbuna bilong dispela animal na diwai em i stap long hap olsem long planti taim bipo.

INFLORESCENCE — Nem bilong stik bilong diwai i gat plaua i stap long em. Diwai i gat planti kain kain long INFLORESCENCE.

INGEST — Nem bilong taim animal i kaikai samting.

INHERITANCE — Nem bilong olgeta mak bilong animal i kamapim long papa na mama bilong em.

INSECT (INSECTA) — Nem bilong lain (CLASS) bilong binatang. Mak bilong INSECTA em i olsem: em i gat tripela hap long bodi, na em i gat sikispela lek, na tupela mas (ANTENNAE) bilong hed. Nau planti INSECT i gat WING.

INSECTIVOROUS — Nem bilong pasin bilong sampela animal i save kaikai binatang (INSECT).

INSERTION — Nem bilong hap long mit (MUSCLE) i pasim long hap long bun i save muv.

INSTINCT — Nem bilong sampela pasin bilong animal. Animal i no lainim dispela pasin. INSTINCT i kamap long em yet. Tok piksa: mama pisin i save givim kaikai long pikinini bilong em. Em i no lainim dispela, em i kamap long INSTINCT tasol.

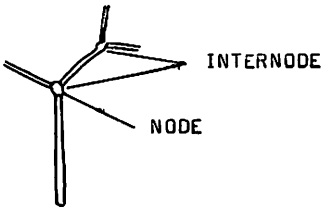
INTEGUMENT — Nem bilong ausait skin bilong animal na pikinini (SEED) bilong diwai.

INTER- — Nem bilong sampela samting i stap namel long arapela samting.

INTERCELLULAR — Nem bilong samting i stap long namel long CELL.

INTERNODE — Nem bilong hap long stik (STEM) diwai i stap namel long tupela hap long lip i kamap.

Figure 23.



INTESTINE — Nem bilong rot bilong kaikai. Kaikai i kamaut long INTESTINE i go insait long bodi. Olsem pipia i go ausait long bodi long INTESTINES. (Fig. 15 page 28).

INTERPHASE — Nem bilong hap long taim wanpela CELL i kamap tupela nupela CELL (MITOSIS, MEIOSIS) INTERPHASE em i taim CELL i mekim nupela liklik rop tru (CHROMOSOME) i stap insait long em. (Fig. 27 page 60).

INTRACELLULAR — Nem bilong samting i stap insait long CELL.

INVERTEBRATE — Nem bilong olgeta animal i no gat bun (VERTEBRAE) bilong baksait.

IN VITRO — Nem bilong taim sampela man i laik kisim save long samting bilong wanpela hap bilong animal or diwai. Pastaim man i rausim wanpela hap long animal or diwai na bihain em i putim insait sampela glas na lukim na wokim samting long em.

IN VIVO — Nem bilong taim man i laik kisim save long wanpela samting long animal or diwai i lukim dispela samting long animal or diwai. Nau em i no rausim em dispela hap.

IRIS — Nem bilong wanpela hap bilong ai i gat kala. (Fig. 17 page 34).

ISCHIUM — Nem bilong wanpela hap bilong bun bilong baksait lek (PELVIC GIRDLE). (Fig. 38 page 92).

ISOPTERA — Nem bilong wanpela lain (ORDER) bilong binatang (INSECT). Ol i kalim anis bilong kaikai haus (TERMITE).

JAW — Nem bilong bun ol i kalim wasket or wisket.

JEJENUM — Nem bilong wanpela hap long liklik rot bilong kaikai (SMALL INTESTINE). JEJUNUM i stap long namel long tupela hap long SMALL INTESTINE.

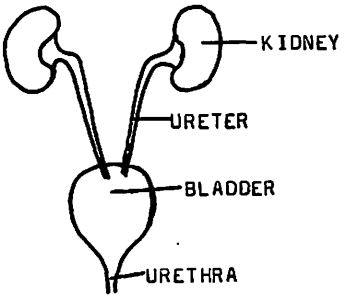
JOINT — Nem bilong skru bilong bun.

JUGULAR VEIN — Nem bilong rop bilong blut (VEIN) i stap long hat i karim blut i go long hat.

KARYOTYPE — Nem bilong piksa bilong olgeta liklik rop tru (CHROMOSOME) i stap insait long CELL bilong wanpela animal or diwai.

KIDNEY — Nem bilong tupela mit i stap insait long bodi i save mekim pispis na rausim rabis wara bilong bodi:

Figure 24.



KILOCALORIE — Nem bilong wanpela tausen CALORIE.

LABIAL — Nem bilong wanpela olgeta samting bilong arare long maus ol i kalim lip.

LABIUM — Nem bilong arere bilong maus i stap antap long maus bilong binatang (INSECT).

LACTATION — Nem bilong taim meri save mekim susu bilong em.

LAMELLAE (s.LAMELLA) — Nem bilong olsem laplap long CELL ol i kalim MEMBRANE. LAMELLAE i stap long sampela hap long animal or diwai.

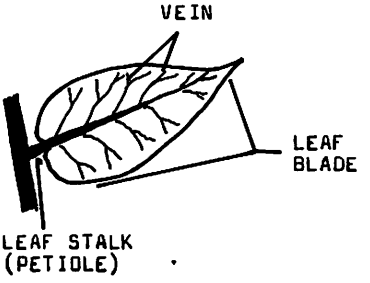
LARGE INTESTINE — Nem bilong bikpela rot bilong kaikai i stap daunbilo SMALL INTESTINE. Nau LARGE INTESTINE i karim pekpek i go long as. (Fig. 15 page 28).

LARVAE (s.LARVA) — Nem bilong pikinini bilong sampela kain animal. Nau pikinini em i no lukluk olsem papa na mama bilong em. Nau bihain, LARVAE i kamap bikpela i lukluk olsem papa na mama bilong em. Tok piksa: sampela liklik snek (CATERPILLAR) em i pikinini (LARVAE) bilong bataplai.

LARYNX — Nem bilong hap long mambu bilong karim win (TRACHEA). LARYNX i stap klostu long baksait long maus (PHARYNX). (Fig. 26 page 54).

LEAF — Nem bilong lip diwai.

Figure 25.



LEAF BLADE — Nem bilong bikpela hap long lip diwai. (Fig. 25 page 52).

LEAF STALK — Nem bilong stik bilong lip i pasim lip long stik diwai. LEAF STALK em i olsem PETIOLE. (Fig. 25 page 52).

LEECH — Nem bilong liklik snek i save dringim blut.

LENS — Nem bilong wanpela hap long ai bilong sampela kain animal. LENS em i liklik windo olsem kamera i helpim ai save lukluk. (Fig. 17 page 34).

LEPIDOPTERA — Nem bilong wanpela lain (ORDER) bilong binatang (INSECT) i gat bataplai.

LEUKOCYTE — Nem bilong wanpela kain CELL i stap insait long blut. LEUKOCYTE em i witpela na em i save kilim liklik binatang tru (BACTERIA) i go insait long bodi.

LICHEN — Nem bilong wanpela sotpela liklik diwai. LICHEN em i FUNGUS na ALGAE i save bung wantaim. (SYMBIOSIS). LICHEN i no gat lip na stik (STEM) na as (ROOT) bilong em. LICHEN em i save sindaun antap long diwai na ston.

LIGAMENT — Nem bilong wanpela kain rop i pasim tupela bun bilong skru.

LIGULE — Nem bilong liklik hap long sampela kain diwai. LIGULE em i stap klostu long stik bilong diwai.

LIMNOLOGY — Nem bilong lainim samting bilong wara na riva.

LINGUAL — Nem bilong olgeta samting bilong tang.

LIPASE — Nem bilong sampela marasin (ENZYME) i stap insait long rot bilong kaikai (INTESTINE) bilong animal. LIPASE i helpim brukbrukim gris.

LIPIDS — Nem bilong gris.

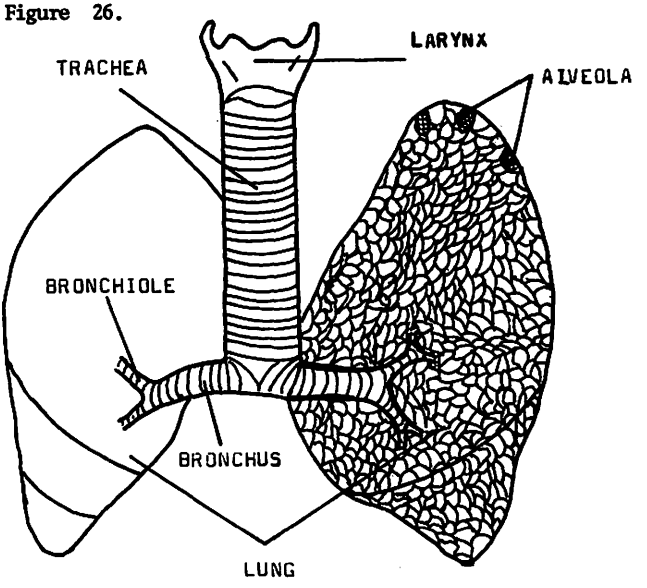
LIVER — Nem bilong wanpela bikpela mit (GLAND, ORGAN) i stap insait long bodi ol i kalim leva. LIVER i save wokim planti long helpim bodi. LIVER i holim sampela kain suga, na i save rausim sampela gip i stap insait long bodi. LIVER i save mekim sampela marasin (BILE) i helpim brukbrukim gris. Nau LIVER i helpim mekim retpela CELL bilong blut (ERYTHROCYTE).

LUMBAR — Nem bilong olgeta samting i stap long baksait daunbilo tru. Tok piksa: bun bilong baksait i stap klostu LUMBAR ol i kalim LUMBAR VERTEBRAE.

LUMEN — Nem bilong hul i stap long insait long olgeta mambu i stap insait long bodi. Olsem hul i stap insait long rop bilong blut na rot bilong kaikai (INTESTINE). Nau LUMEN em i stap insait sampela kain CELL bilong diwai. (Fig. 42 page 111).

LUNG — Nem bilong witleva. LUNG i stap insait long bodi bilong sampela kain animal i save pulim win. LUNG em i olsem bilum i pulapim long win. Nau win i kamaut long LUNG i go insait long blut:

Figure 26.



LYMPH — Nem bilong sampela kain wara i stap insait long bodi. LYMPH em i gat liklik mit tru (PROTEIN) na sampela CELL i stap insait long LYMPH.

LYSOSOME — Nem bilong sampela kain rum (ORGANELLE) i stap long insait long CELL. Sampela marasin i stap insait long LYSOSOME i save kilim CELL sapos marasin bilong LYSOSOME i kamaut. (Fig. 9 page 18).

MACRO- — Nem bilong olgeta bikpela samting.

MACROPHAGOUS — Nem bilong pasin bilong animal i save kaikai bikpela kaikai.

MAGGOT — Nem bilong liklik snek. Em i pikinini (LARVAE) bilong flai.

MALARIA — Nem bilong wanpela kain sik i kamap long liklik binatang tru (PROTOZOA). Em i gat wanpela CELL tasol i go insait long bodi bilong man na mekim sik. Wanpela binatang, ol i kalim moskito i karim (VECTOR) dispela PROTOZOA. Nau taim moskito i kaikai man, bihain PROTOZOA i go insait skin na mekim man i kamap sik long MALARIA.

MALLOPHAGA — Nem bilong wanpela lain (ORDER) long binatang (INSECT). MALLOPHAGA em i liklik binatang, na em i save kaikai skin na gras bilong pisin tasol.

MAMMAL (MAMMALIA) — Nem bilong wanpela lain (CLASS) bilong animal. Em i gat gras, na meri bilong MAMMAL i gat susu. Pik na man na kapul olgeta bilong lain long MAMMAL.

MANDIBLE — Nem bilong bun ol i kolim wasket or wisket i stap daunbilo long maus bilong sampela kain animal (VERTEBRATE). (Fig. 38 page 92).

MARINE — Nem bilong pasin bilong sampela animal or diwai i save sindaun gut long solwara.

MARROW — Nem bilong kru i stap insait long bun. MARROW em i save mekim CELL bilong blut.

MARSUPIAL — Nem bilong wanpela lain bilong animal. Nau meri bilong MARSUPIAL i gat wanpela paus i stap long fran long bel, na pikinini i stap insait long dispela paus. Planti animal bilong Papua New Guinea bilong lain long MARSUPIAL, olsem kapul na mumut.

MAXILLA — Nem bilong bun i stap antap long maus bilong sampela kain animal (VERTEBRATE). (Fig. 38 page 92).

MEDIAN — Nem bilong olgeta hap bilong bodi i stap klostu long namel long bodi. (Fig. 3 page 6).

MEGA- — Nem bilong bikpela samting.

MEGAPHYLL — Nem bilong wanpela kain lip diwai. MEGAPHYLL i gat planti rop bilong lip (VEIN). Na rop bilong lip (VEIN) em i gat han bilong em.

MEIOSIS — Nem bilong taim wanpela hap bilong bodi i save mekim kiau (SPERM) or meri kiau (OVUM). Nau sampela CELL i stap insait long hap (GONAD) bilong bodi i save mekim kiau. Dispela kain CELL i kan i kamap fopela nupela CELL. Dispela wok long mekim nupela CELL long kiau em i MEIOSIS.

MELANIN — Nem bilong sampela samting olsem marasin i save mekim skin na gras bilong animal i kamap dak.

MEMBRANE — Nem bilong ausait skin bilong olgeta CELL. Sampela samting i save go insait long MEMBRANE. (Fig. 9 page 18).

MENOPAUSE — Nem bilong taim meri i no lukim mun sik. Olsem meri i no save mekim kiau (OVUM) bilong em moa (OVULATION).

MENSTRUATION — Nem bilong taim mun i lukim meri. Em i taim meri i rausim kiau (OVUM) bilong em sapos man kiau (SPERM) i no bung wantaim long meri. (FERTILIZATION).

MERISTEM — Nem bilong wanpela hap long diwai. Nau CELL i stap long MERISTEM i kamap bikpela kwik taim tru.

MESIC — Nem bilong ples i gat planti wara i stap.

MESODERM — Nem bilong skin bilong pikinini (EMBRYO) i stap insait long bel (UTERUS) bilong meri. MESODERM i stap long namel long insait skin (ENDODERM) na ausait skin (ECTODERM) bilong EMBRYO. Nau bihain blut na mit (MUSCLE) na bun i kamap long MESODERM.

MESOPHYTE — Nem bilong olgeta kain diwai i save sindaun long ples i gat wara inap.

MESOZOIC — Nem bilong wanpela taim bipo bipo tru (GEOLOGICAL PERIODS AND ERAS) i kamap 225 milin krismas bipo i pinis 65 milin krismas bipo.

META- — Nem bilong olgeta samting i stap bihain long arapela samting.

METABOLISM — Nem bilong samting olgeta animal na diwai i save wokim insait long bodi bilong em. METABOLISM em i taim bodi i brukbrukim kaikai na mekim pawa long em. Olsem METABOLISM em i taim bodi save mekim bikpela mit long liklik hap long mit (AMINO ACID). ANABOLISM na CATABOLISM em i tupela hap bilong METABOLISM.

METAMORPHOSIS — Nem bilong taim bilong sampela animal i gat pikinini i no lukluk olsem mama or papa bilong em (LARVAE). Nau METAMORPHOSIS em i taim long senis long dispela LARVAE i kamap bikpela.

METAPHASE — Nem bilong wanpela hap long taim bilong wanpela CELL i mekim nupela CELL (MITOSIS, MEIOSIS). METAPHASE em i taim liklik rop tru (CHROMOSOME) i stap insait long CELL i mekim lain long namel long CELL. (Fig. 27 page 60).

METAZOA — Nem bilong bikpela lain tru bilong olgeta animal i gat moa yet long wanpela CELL.

MICRO- — Nem bilong olgeta liklik samting tru.

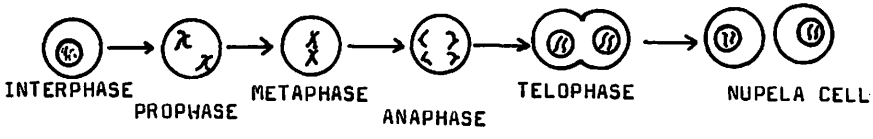
MICROPHYLL	Nem bilong kain lip diwai. Em i gat wanpela VEIN bilong em tasol.
MICROSCOPE	Nem bilong masin i save lukim liklik samting tru.
MIMICRY	Nem bilong pasin bilong sampela animal. Sapos wanpela kain animal em i no gutpela long kaikai, na arapela kain animal em gutpela long kaikai. Nau dispela animal i gutpela long kaikai em i lukluk olsem arapela animal i no gutpela long kaikai tumas. Nau bihain arapela animal i no laik kaikai dispela tupela animal long wanem tupela lukluk wankain.
MITOCHONDRION (pl.MITOCHONDRIA)	Nem bilong liklik rum (ORGANELLE) i stap insait long CELL. MITOCHONDRION i save senisim kaikai long pawa.

MITOSIS

Nem bilong taim wanpela CELL i mekim tupela CELL. MITOSIS i gat fivpela hap bilong em:

INTERPHASE	Em i taim CELL i slip na mekim nupela samting bilong liklik rop (CHROMOSOME) i stap insait long CELL.
PROPHASE	Em i taim CHROMOSOME i kamap bikpela.
METAPHASE	Em i taim CHROMOSOME i mekim lain long namel tru long CELL.
ANAPHASE	Em i taim tupela tupela CHROMOSOME i lusim namel long CELL i go long arere long CELL.
TELOPHASE	Em i taim NUCLEUS i go raun long tupela tupela CHROMOSOME.

Figure 27.



MOLLUSKS (MOLLUSCA)

Nem bilong bikpela lain (PHYLUM) long animal. Bodi bilong em i no strong tumas. Sampela i gat strongpela sel bilong em. Planti animal i gat sel bilong em bilong lain MOLLUSKS.

MOLT — Nem bilong taim sampela animal lusim skin bilong em or taim bilong pisin i lusim gras bilong em.

MONO- — Nem bilong sampela samting i gat wanpela samting tasol.

MONOCOTYLEDON — Nem bilong hap long lain bilong diwai (ANGIOSPERM) Pikinini bilong em, olsem kru i gat wanpela lip (COTYLEDON) tasol. Mais em i diwai bilong MONOCOTYLEDON.

MONOECIOUS — Nem bilong pasin bilong sampela animal na diwai i gat man sem na meri sem i stap wantaim long wanpela animal or diwai.

MORPHOLOGY — Nem bilong lainim samting long ausait na insait mak bilong animal na diwai.

MUCOUS — Nem bilong strongpela wara i no ran kwik i stap long bodi long animal. Spetum i gat MUCOUS i stap na ai wara na kus i gat MUCOUS.

MUSCLE — Nem bilong planti hap long bodi. Animal i gat tripela kain mit bilong em. Mit bilong hanlak (VOLUNTARY MUSCLE, SKELETAL MUSCLE) mit bilong hat (CARDIAC MUSCLE) na mit bilong bel na rot bilong kaikai, na rop bilong blut (SMOOTH MUSCLE).

MUTATION — Nem bilong taim senis i kamap long liklik rop tru (CHROMOSOME) i stap insait long CELL. Sampela MUTATION i ken senis mak bilong mit na olgeta samting i stap long bodi bilong animal na diwai.

MUTUALISM — Nem bilong pasin bilong sampela animal. Nau tupela kain animal i bung wantaim na tupela i helpim wanpela wanpela.

MYCORRHIZA — Nem bilong sampela kain liklik diwai (FUNGUS) i bung wantaim long as bilong diwai (ROOT). MYCORRHIZA helpim diwai pulim wara na kaikai i stap long graun.

MYELIN — Nem bilong wanpela kain CELL i gat planti gris (LIPID) i stap. MYLELIN i karamapim bikpela rot wailis (NERVE) i stap insait long bodi bilong sampela kain animal.

MYOSIN — Nem bilong wanpela liklik hap bilong mit (MUSCLE). Em i olsem liklik rop tru (FIBER, FIBRE).

MYXOMYCOPHYTA — Nem bilong wanpela kain liklik animal or diwai tru. Em i gat mak bilong animal na diwai olsem. MYXOMYCOPHYTA i gat wanpela CELL tasol.

NARES — Nem bilong hul bilong nus (NOSTRIL) bilong sampela kain animal.

NASAL — Nem bilong olgeta samting bilong nus.

NATURAL HISTORY — Nem bilong lainim samting bilong olgeta pasin bilong animal na diwai. Tok piksa: taim pikinini i kamap, na haumas taim animal i kamap bikpela, em i sampela hap long NATURAL HISTORY.

NATURAL SELECTION

Nem bilong wanpela lo bilong EVOLUTION i tok: Sapos wanpela liklik lain (SPECIES) bilong animal or diwai i gat planti kain kain mak bilong em. Nau sapos sampela animal or diwai bilong dispela lain i gat gutpela mak bilong em, na dispela gutpela mak i helpim animal or diwai sindaun gut long ples bilong em. Nau sapos arapela animal or diwai bilong lain wankain i no gat gutpela mak bilong em. Nau bihain dispela animal or diwai i gat gutpela mak i save mekim planti pikini bilong em i kamap. Dispela i winim arapela animal or diwai i no got dispela gutpela mak bilong em. Nau taim planti krismas bihain tru, ples bilong dispela animal or diwai i gat planti long animal or diwai i gat gutpela mak bilong em. Nau i no gat planti animal or diwai i no gat gutpela mak bilong em.

NAVEL

Nem bilong hul i stap long ausait long bel. Ol i kolim as bilong bel.

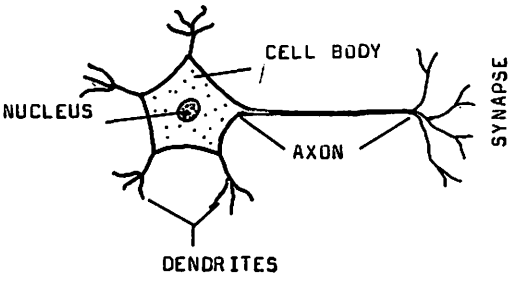
NEOTENY

Nem bilong pasin bilong sampela kain animal i gat sampela mak bilong pikinini long taim i kamap bikpela tru.

NERVE

Nem bilong rot wailis i stap insait long bodi bilong animal. NERVE save bosim olgeta mit na olgeta samting i stap insait long bodi.

Figure 28.
Piksa bilong NERVE



NEURON — Nem bilong CELL bilong rot wailis (NERVE).

NEUTER — Nem bilong pasin bilong sampela kain animal i no gat sem bilong em.

NICHE — Nem bilong olgeta pasin bilong animal na diwai. Tok piksa: NICHE i tok save long wanem samting animal i save kaikai, na i save em wanem hap animal na diwai i save sindaun, na haumas pikinini animal na diwai i save mekim, na planti samting moa yet. Olgeta samting bilong animal na diwai bung wantaim na mekim NICHE bilong animal na diwai. Olgeta lain long animal na diwai i gat wanpela kain NICHE bilong em yet.

NODE — Nem bilong wanpela hap long stik diwai (STEM). Nau lip diwai i kamap long NODE. (Fig. 23 page 48).

NOSTRIL — Nem bilong hul i stap long nus bilong animal.

NOTOCHORD — Nem bilong wanpela kain mambu i stap long baksait long sampela kain animal (CHORDATE).

NUCLEUS — Nem bilong wanpela kain liklik rum tru (ORGANELLE) i stap insait long sampela kain CELL (EUKARYOTE). Liklik rop tru (CHROMOSOME) i stap insait long CELL stap insait long NUCLEUS i save mekim nupela CELL. (Fig. 9 page 18).

NUCLEOLUS — Nem bilong liklik rum tru i stap insait long NUCLEUS i stap insait long CELL. NUCLEOLUS i save mekim RNA. (Fig. 9 page 18).

NUTRITION — Nem bilong samting i tok save em wanem kain kaikai em i gutpela na em wanem kain kaikai i save helpim animal i kamap strongpela.

NYMPH — Nem bilong pikinini bilong sampela kain binatang (INSECT) i lukluk olsem bikpela INSECT.

OBLIGATE — Nem bilong sampela samting animal na diwai i mas wokim. Sapos i no wokim dispela i go dai pinis tasol. Tok piksa: sapos sampela animal i mas pulim win sapos or i go dai pinis. Ol i kalim dispela OBLIGATE AEROBIC RESPIRATION.

OCULAR — Nem bilong olgeta samting bilong ai or nem bilong wanpela hap long MICROSCOPE.

ODONATA — Nem bilong wanpela lain (ORDER) bilong binatang (INSECT). ODONATA i gat foapela longpela wing.

OESTROGEN (ESTROGEN) — Olsem nem long ESTROGEN.

OLFACTORY — Nem bilong wanpela hap bilong nus i save pilim i smel.

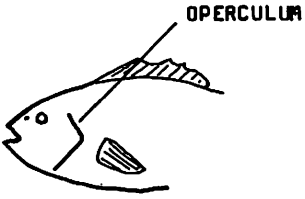
OMMATIDIUM (pl. OMMATIDIA) — Nem olsem FACET. (Fig. 18 page 34).

OMNIVOROUS — Nem bilong pasin bilong sampela kain animal i save kaikai planti kain kain animal na diwai.

OOCYTE — Nem bilong wanpela kain CELL i stap insait long hap (OVARY) long meri. Bihain OOCYTE i kamap kiau (OVUM) bilong meri.

OPERCULUM — Nem bilong sampela bun bilong fis i karamapim GILL bilong em.

Figure 29.



OPPOSITE LEAF GROWTH — Nem bilong stik bilong diwai i gat wanpela lip i kamap long wanpela sait long stik na arapela lip i kamaut long arasait.

Figure 30.

OPTIC — Nem bilong olgeta samting bilong lukim samting na bilong ai.

ORAL — Nem bilong olgeta samting bilong maus or klostu long maus.

ORCHID — Nem bilong wanpela kain diwai i gat plaua. Na planti ORCHID i save sindaun long arapela kain diwai (EPIPHYTE).

ORDOVICIAN — Nem bilong wanpela taim bipo bipo tru (GEOLOGICAL PERIODS AND ERAS) i kamap 500 milin brismas bipo na i pinis 440 milin krismas bipo.

ORGAN — Nem bilong sampela hap long animal na diwai i save wokim samting long bodi bilong em. Tok piksa: hat em i ORGAN bilong animal i save muvim blut nabaut long bodi. Na as bilong diwai (ROOT) em i ORGAN bilong diwai i save pulim wara long graun.

ORGANELLE — Nem bilong olgeta liklik rum tru i stap insait sampela kain CELL (EUKARYOTE). Dispela kain CELL i gat planti kain kain ORGANELLE bilong em. ORGANELLE i save helpim CELL wok. (Fig. 9 page 18).

ORGANIC — Nem bilong olgeta samting i gat laip nau or i gat laip bipo.

ORGANISM — Nem bilong olgeta samting i gat laip. Tok piksa: binatang na liklik binatang tru (BACTERIA) na olgeta animal na olgeta diwai em i ORGANISM.

ORIENTAL — Nem bilong wanpela ples bilong graun i gat animal (ZOOGEOGRAPHY). ORIENTAL i stap long India na hap long Asia.

ORIGIN — Nem bilong as ples bilong animal na diwai.

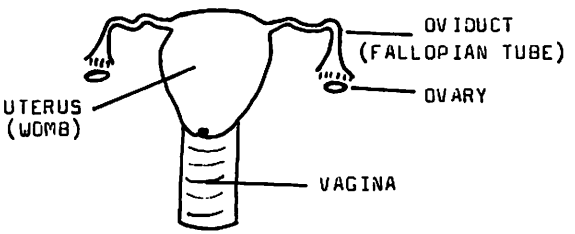
ORTHOPTERA — Nem bilong wanpela lain (ORDER) long binatang (INSECT). ORTHOPTERA i gat foapela wing bilong em. Nau tupela i stap antap, em i strongpela, nau tupela i stap ananit em i no strongpela tumas. Kokoros na grashap bilong lain long ORTHOPTERA.

OSSIFICATION — Nem bilong taim sampela hap long bodi i mekim sampela bun, nau bihain i kamap strongpela.

OSTEICTHYES — Nem bilong wanpela lain (CLASS) long pis i gat sampela bun i stap insait long bodi. Tuna na melisa na mausgras na kot na bikmaus na planti kain kain pis moa yet bilong OSTEICHTHYES.

OVARY — Nem bilong hap long bel bilong meri bilong sampela kain animal i save mekim liklik kiau bilong (OVUM) meri, or OVARY em i nem bilong wanpela hap long meri plaua i save mekim liklik kiau (OVULE) bilong meri plaua.

Figure 31.



OVIDUCT — Nem bilong liklik rot i stap insait long bel bilong meri i save karim liklik kiau bilong meri (OVUM). I lusim i go long OVARY i kam long hap bilong meri (UTERUS) i save wokim pikinini. (Fig. 31 page 68).

OVIPAROUS — Nem bilong pasin bilong sampela kain animal i save karim kiau. Tok piksa: Olgeta pisin na sampela palai na loklok na pis i save putim kiau, em i OVIPAROUS.

OVOVIVIPAROUS — Nem bilong pasin bilong sampela kain animal. Nau pikinini bilong em i save kamap long bel bilong meri. Nau meri i no save putim kiau. Mama bilong dispela pikinini i no helpim pikinini long kamap bikpela.

OVULATION — Nem bilong taim liklik kiau (OVUM) bilong meri i kamap na kamaut long rot bilong kiau bilong meri (OVIDUCT).

OVULE — Nem bilong kiau bilong meri plaua i kamap pikinini diwai (SEED) long taim man kiau (SPERM, POLLEN) na meri kiau bung wantaim.

OVUM (pl.OVA) — Nem bilong liklik kiau bilong meri bilong animal.

OXYGEN — Nem bilong wanpela hap long win. Planti animal na diwai i mas pulim OXYGEN (AEROBIC). Sapos i no pulim OXYGEN em i go dai pinis (OBLIGATE). OXYGEN i helpim METABOLISM i stap insait long bodi.

PACEMAKER — Nem bilong wanpela liklik hap bilong hat i save bosim taim hat i pamp.

PALATE — Nem bilong antap long maus.

PALEO- — Nem bilong olgeta samting bilong olgeta olpela samting. Tok piksa: PALEOBOTANY em i nem bilong lainim samting bilong olpela diwai tru.

PALEONTOLOGY — Nem bilong lainim samting bilong olgeta samting bilong animal or diwai i kamap bipo tru (FOSSIL).

PANCREAS — Nem bilong wanpela kain mit (ORGAN) i stap insait long bodi. PANCREAS i stap klostu liklik rot bilong kaikai (SMALL INTESTINE)long sampela kain animal. PANCREAS i save mekim planti kain kain marasin (ENZYME) long helpim bel brukbrukim kaikai. Olsem PANCREAS em i gat arapela kain marasin (HORMONE) i save senisim suga i stap insait long blut long arapela kain samting. (Fig. 15 page 28).

PARA- — Nem bilong samting i stap klostu long sampela arapela samting.

PARASITE — Nem bilong pasin bilong sampela animal i save stap insait (ENDOPARASITE) or ausait (ECTOPARASITE) long arapela animal or diwai. PARASITE save kaikai dispela animal or diwai.

PARENCHYMA — Nem bilong wanpela kain CELL bilong diwai. Banis bilong PARENCHYMA CELL em i no strongpela tumas. PARENCHYMA CELL i stap long insait long stik (STEM) diwai.

PARTHENOGENESIS Nem bilong pasin bilong sampela animal na diwai. Nau kiau bilong meri (OVUM, OVULE) em yet i kamap pikinini. Man kiau (SPERM) i no bung wantaim long em (FERTILIZATION).

PATELLA Nem bilong liklik bun i stap antap long skru bilong lek (KNEE). (Fig. 38 page 92).

PATERNAL Nem bilong olgeta samting bilong papa.

PATHOGEN Nem bilong olgeta animal i save mekim sik.

PATHOLOGY Nem bilong lainim samting bilong sik.

PECTORAL GIRDLE Nem bilong tupela bun i holimpas longpela bun bilong han (HUMERUS), ol i kalim solda. PECTORAL GIRDLE em i gat tupela bun bilong em. Bikpela bun ol i kalim SCAPULA na liklik bun ol i kalim CLAVICLE.

PELAGIC Nem bilong olgeta animal na diwai i save sindaun long solwara i no klostu long graun arere long solwara.

PELVIC GIRDLE Nem bilong olgeta bun bilong baksait lek i save holimpas bun bilong lek (FEMUR) long bodi bilong sampela animal. PELVIC GIRDLE i gat tripela bun bilong em ILEUM na ISCHIUM na PUBIS. (Fig. 38 page 92).

PENIS Nem bilong kok.

PENT- Nem bilong samting i gat fivpela samting.

PEPTIDE Nem bilong hap long liklik mit tru (PROTEIN). PEPTIDE em planti liklik hap long PROTEIN i bung wantaim.

PERENNIAL — Nem bilong pasin bilong sampela diwai i save kamap long planti krismas.

PERFECT FLOWER — Nem bilong mak bilong sampela plaua i gat sem bilong man (STAMENS) na sem bilong meri (CARPEL) i stap wantaim. (Fig. 21 page 37).

PERI- — Nem bilong olgeta samting bilong karamapim samting.

PERICARDIUM — Nem bilong bilum long planti CELL i karamapim hat bilong animal.

PERICARP — Nem bilong banis i stap long ausait long sem bilong meri plaua.

PERIDERM — Nem bilong laplap bilong diwai i stap insait long stik (STEM) i save mekim tuptup (CORK).

PERIPHERAL — Nem bilong olgeta samting i stap arere long sampela arapela samting. Tok piksa: PERIPHERAL BLOOD VESSELS em rot bilong blut i stap long arere long bodi.

PERISTALSIS — Nem bilong wok bilong rot bilong kaikai (INTESTINES), na rot i karim kaikai i go long bel (OESOPHAGUS, ESOPHAGUS). PERISTALSIS i save muvim kaikai long rot bilong kaikai na rot i karim kaikai i go long bel.

PERITONEUM — Nem bilong bilum long CELL i stap insait long bel, na PERITONEUM i stap arere long bel.

PERMIAN — Nem bilong taim bipo bipo tru (GEOLOGICAL PERIODS AND ERAS) i kamap long 280 milin krismas bipo na i pinis 225 milin krismas bipo.

PETAL — Nem bilong hap long plaua i gat kala. (Fig. 20 page 36).

PETIOLE — Nem bilong liklik stik i stap long lip diwai olsem as bilong lip. (Fig. 25 page 52).

pH — Nem bilong skelim long haumas marasin i save kukim skin (ACID) i stap.

PHAGE — Nem bilong liklik samting tru. Em i klostu samting i gat laip. PHAGE i gat tupela hap bilong em, liklik mit tru (PROTEIN) na DNA or RNA. PHAGE i save kilim liklik binatang tru (BACTERIA).

PHAGOCYTOSIS — Nem bilong wok bilong CELL i save kaikai liklik samting i stap long ausait long CELL. PHAGOCYTOSIS i wokim olsem: hap long ausait skin (MEMBRANE) bilong em i karamapim sampela kaikai i stap long ausait long em. Nau bihain dispela MEMBRANE i pulim kaikai i go long insait CELL.

PHALANGES — Nem bilong olgeta finga bilong han na fut. (Fig. 38 page 92).

PHARYNX — Nem bilong hap long bodi i stap long baksait long maus. (Fig. 15, page 28).

PHENOLOGY — Nem bilong lainim samting long pasin bilong diwai. Tok piksa: lainim samting long taim plaua i kamap long diwai em wanpela hap long PHENOLOGY.

PHENOTYPE — Nem bilong olgeta mak bilong animal na diwai.

PHEROMONE — Nem bilong sampela samting bilong animal i kamaut long em. Nau win or wara i save karim PHEROMONE i go long arapela wankain animal. PHEROMONE i save sensim pasin bilong arapela animal.

PHLOEM — Nem bilong planti CELL i bung wantaim (TISSUE) bilong sampela kain diwai (TRACHEOPHYTA) i stap insait long stik diwai. PHLOEM i save muvim kaikai bilong diwai. (Fig. 39 page 96).

PHOTO- — Nem bilong olgeta samting bilong lait.

PHOTOPERIOD — Nem bilong haumas taim long wanpela de san i kamap, nau haumas taim tu dak i kamap. PHOTOPERIOD i save senisem wok bilong diwai.

PHOTOSYNTHESIS — Nem bilong pasin bilong olgeta grinpela diwai i save mekim kaikai long wanpela hap long win na wara na lait. Nau (CHLOROPHYLL) i stap insait long sampela CELL bilong diwai (CHLORENCHYMA) i helpim senisim hap long win na wara i kamap suga. Lait i givim pawa long dispela wok.

PHOTOTAXIS — Nem bilong pasin bilong sampela animal i save wokabaut i go or wokabaut i kam long hap i gat lait.

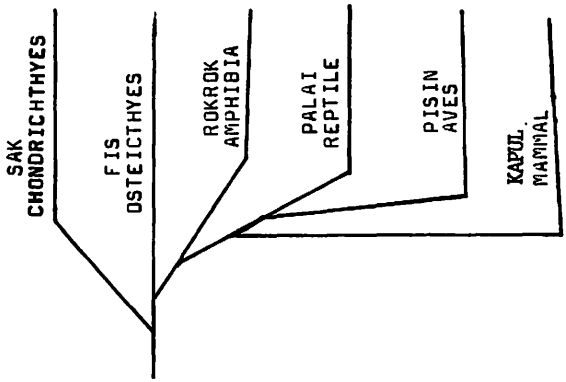
PHOTOTROPISM — Nem bilong pasin bilong diwai i save kamap long hap i gat lait.

PHYCOLOGY — Nem bilong lainim samting long liklik diwai. (ALGAE).

PHYLLOTAXIS — Nem bilong pasin bilong lip diwai long holimpas long stik (STEM) bilong em. Tok piksa: sapos wanpela lip i stap long wanpela sait long stik bilong em, na arapela lip i stap long arapela sait dispela, samting em i wanpela kain PHYLLOTAXIS.

PHYLOGENY — Nem bilong toksave long sampela lain animal or diwai i kamap long em wanem kain lain animal or diwai. Piksa bilong PHYLOGENY bilong sampela animal i stap daunbilo :

Figure 32.



PHYSIOLOGY — Nem bilong lainim samting bilong long wanem wok i stap insait long bodi. PHYSIOLOGY em i olsem lainim samting long METABOLISM. Na PHYSIOLOGY em i lainim samting long brukbrukim kaikai insait long bel (DIGESTION), na lainim samting long taim pikinini i kamap na planti moa samting long bodi bilong animal or diwai.

PHYTO- Nem bilong olgeta samting bilong diwai.

PIGMENT Nem bilong sampela samting bilong animal na diwai i save mekim kala.

PINNA (pl.PINNAE) Nem bilong liklik hap long sampela lip diwai i lukluk olsem liklik lip. (Fig. 19 page 35).

PINOCYTOSIS Nem bilong pasin bilong CELL i save dringim wara. Nau ausait skin bilong CELL (MEMBRANE) i karamapim sampela liklik wara i stap ausait long CELL nau bihain dispela MEMBRANE i pulim wara i go insait long CELL.

PISCES Nem bilong lain bilong pis.

PISTIL Nem bilong wanpela hap long sem bilong meri plaua (CARPEL) bilong plaua i gat planti sem i bung wantaim.

PIT Nem bilong wanpela hap bilong banis bilong CELL (CELL WALL) bilong diwai. Nau banis bilong CELL bilong diwai em i strongpela. Nau pit em i no strong em i liklik tasol. Sampela samting i save ran long wanpela CELL i go insait long arapela CELL long PIT. PIT em i olsem liklik hul i no daun tumas.

PITH Nem bilong hap long stik diwai (STEM). PITH i stap insait long namel long STEM. (Fig. 39 page 96).

PITUITARY — Nem bilong planti wanpela kain CELL i bung wantaim (GLAND) olsem mit i stap daunbilo long kru i stap insait long het (BRAIN). PITUITARY em i gat tupela hap bilong em, nau i save mekim planti kain kain marasin (HORMONE) i helpim bodi wok.

PLACENTA — Nem bilong bilum i stap arere long pikinini i stap insait long wanpela hap (UTERUS) long bel bilong sampela kain animal. PLACENTA i gat planti rot bilong blut bilong em. Nau OXYGEN na kaikai i stap insait long blut bilong meri i go insait long blut bilong pikinini long PLACENTA.

PLANKTON — Nem bilong liklik animal na diwai i stap long wara na solwara. PLANKTON i stap klostu antap long wara na solwara. PLANKTON em i kaikai bilong planti bikpela animal na pis i stap insait long wara na solwara.

PLANT — Nem bilong olgeta diwai. Planti kain kain PLANT i stap. Bikpela na liklik tru. FERNS, GYMNOSPERM, ANGIOSPERMS, FUNGUS, BRYOPHYTES na ALGAE em i olgeta PLANT. Planti PLANT em i grinpela na em yet i save mekim kaikai (PHOTOSYNTHESIS).

PLASMA — Nem bilong wanpela kain wara na liklik mit tru (PROTEIN) i stap insait long blut. Nau PLASMA em i blut sapos yu rausim olgeta CELL bilong blut.

PLASTID — Nem bilong liklik bilum tru i stap insait long CELL bilong diwai. Sampela PLASTID i gat kala (PIGMENT) i stap insait long em. Arapela kain PLASTID i gat sampela gris (LIPID) na suga or liklik mit tru (PROTEIN) i stap insait. (Fig. 9 page 18).

PLEURAL — Nem bilong olgeta samting i stap klostu long wit lewa (LUNG) na hat.

PNEUMO- — Nem bilong olgeta samting bilong win.

POD — Nem bilong olgeta samting bilong fut.

POIKILOTHERMAL — Nem bilong pasin bilong sampela kain animal. Nau sapos ausait em i kol nau insait long bodi bilong dispela em i kol olsem long ausait bilong em. Nau sapos em i hat long ausait long dispela animal, bodi bilong em i kamap hat olsem ausait. Pis na palai na tarasel, na snek na pukpuk na rokrok olgeta em i POIKILOTHERMAL.

POLLEN — Nem bilong man kiau bilong sampela kain diwai (ANGIOSPERM, GYMNOSPERM). POLLEN i bung wantaim long meri kiau (OVULE) bilong diwai. Na bihain pikinini diwai i kamap FERTILIZATION POLLINATION).

POLLEN TUBE — Nem bilong liklik mambu i kamaut long man kiau (POLLEN) bilong diwai long taim POLLEN i bung wantaim long meri kiau bilong diwai. Nau dispela POLLEN TUBE i pasim long OVULE nau POLLEN i save go long POLLEN TUBE i go insait long OVULE.

POLLINATION — Nem bilong taim man kiau bilong diwai (POLLEN) i bung wantaim long meri kiau bilong diwai (OVULE) nau bihain pikinini diwai i kamap.

POLYMORPHISM — Nem bilong pasin bilong diwai na animal. Sapos wanpela liklik lain (SPECIES) long animal or diwai i gat kain kain mak bilong em, em i POLYMORPHISM. Tok piksa: sapos wanpela kapul i gat yelopela gras bilong em na arapela wantok bilong em i gat retpela gras bilong em i POLYMORPHISM.

POLYPEPTIDE — Nem bilong wanpela liklik hap long liklik mit tru (PROTEIN). Tupela na moa liklik hap long PROTEIN ol i kolim AMINO ACID i bung wantaim na mekim olsem rop.

POST- — Nem bilong olgeta samting i stap bihain long sampela samting.

POSTERIOR — Nem bilong sampela hap long bodi bilong animal na diwai i stap klostu long as bilong em. (Fig. 3 page 6).

PREDATION — Nem bilong pasin bilong sampela kain animal i save kilim na kaikaim arapela kain animal. Tok piksa: sampela snek i lukim sampela rat, nau bihain em i kilim na kaikaim dispela. Ol i kalim dispela pasin PREDATION.

PREDATORS — Nem bilong olgeta animal i save kilim na kaikaim arapela animal.

PREGNANCY — Nem bilong taim meri animal i gat bel.

PRIMATE — Nem bilong wanpela lain (ORDER) bilong animal. Planti PRIMATE i save sindaun long diwai. Man bilong lain PRIMATE.

PRIMITIVE — Nem bilong sampela samting i kamap long taim bipo. Olsem as bilong lain long animal or diwai em i PRIMITIVE.

PRO- — Nem bilong samting i kamap long pastaim.

PROCAMBIUM — Nem bilong wanpela kain CELL bilong sampela kain diwai i bung wantaim (TISSUE) i stap long stik (STEM) diwai na as (ROOT) diwai. Bihain CELL bilong PROCAMBIUM senisim long CELL i save karim kaikai (PHLOEM) na wara (XYLEM).

PROGENY — Nem bilong pikinini bilong olgeta animal na diwai.

PROKARYOTE — Nem bilong wanpela kain CELL. PROKARYOTE i no gat liklik rum tru (ORGANELLE) bilong em. Nau liklik binatang tru (BACTERIA) na wanpela liklik diwai tru, (CYANOPHYTA) dispela tupela i gat PROKARYOTE CELL bilong em. (Fig.7 page 12).

PROPHASE — Nem bilong wanpela hap long taim long nupela CELL i kamap (MITOSIS, MEIOSIS). PROPHASE em i kamap pastaim. Liklik rop tru (CHROMOSOME) i stap insait long CELL i kamap bikpela long PROPHASE. (Fig. 27 page 60).

PROTEASE — Nem bilong wanpela kain marasin (ENZYME) i stap insait long bodi. PROTEASE i save brukbrukim mit i stap insait long rot bilong kaikai (INTESTINE).

PROTEINS — Nem bilong wanpela liklik hap long mit. PROTEIN em i lukluk olsem liklik rop. Nau planti liklik hap tru long PROTEIN (AMINO ACID) i bung wantaim long mekim wanpela PROTEIN. Planti kain kain PROTEIN i stap insait long animal na diwai. Gras na ausait skin na mit hanlek na ai na olgeta samting bilong bodi i gat PROTEIN bilong em. Piksa bilong PROTEIN em olsem:

Piksa bilong PROTEIN

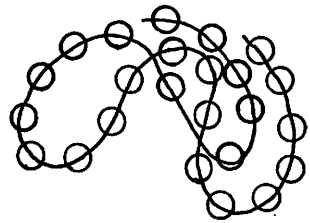


Figure 33.

PROTOPLASM — Nem bilong olgeta samting i stap insait long CELL sapos yu rausim olgeta liklik rum (ORGANELLE) i stap insait long CELL.

PROTOZOA — Nem bilong wanpela bikpela lain (PHYLUM) long animal. PROTOZOA em i liklik tru i gat wanpela cell tasol (ACELLULAR, UNICELLULAR). PROTOZOA em i gat planti kain kain animal bilong em.

Figure 34.

Piksa bilong PROTOZOA

PROXIMAL — Nem bilong olgeta samting bilong animal na diwai i stap klostu long namel long bodi.

PUBIS — Nem bilong wanpela bun bilong bun bilong baksait lek i save holim pas bun bilong lek. PUBIS em i hap i stap long fran (VENTRAL) long PELVIC GIRDLE. (Fig. 38 page 92).

PULMONARY — Nem bilong olgeta samting bilong wit lewa i save pulim win. (LUNG) Tok piksa: PULMONARY ARTERY em i nem bilong rop bilong blut i stap klostu long wit lewa (LUNG). (Fig. 22 page 43).

PUPAE (s.PUPA) — Nem bilong pikinini bilong sampela kain binatang (INSECT). Bipo em i lukluk olsem liklik snek (LARVAE), bihain em i kamap strongpela samting olsem ston, i no muv. Nau bihain, bikpela binatang i kamaut long dispela PUPAE.

PUPIL — Nem bilong hul bilong ai. Nau lait i save go insait ai long PUPIL. (Fig. 17 page 34).

QUADRAT — Nem bilong wok bilong ECOLOGY i save skelim haumas na em wanem kain diwai na animal i stap long ples bilong em.

QUADRUPED — Nem bilong animal i gat fopela fut bilong em.

QUANTUM (pl.QUANTA) — Nem bilong wanpela karamap long lait.

QUATERNARY — Nem bilong wanpela taim bipo bipo tru (GEOLOGICAL PERIODS AND ERAS) i kamap long 1.5 milin krismas bipo i stap nau.

RACE — Nem bilong kain kain animal or diwai bilong wanpela liklik lain (SPECIES). Nau wanpela kain RACE i stap long ples bilong em (POPULATION) nau arapela RACE i stap long arapela ples. Dispela tupela RACE em i no lukluk olsem. Tok piksa: Man bilong PNG em i bilong wanpela RACE na man bilong AUSTRALIA em i bilong arapela RACE. Nau dispela tupela man bilong wanpela liklik lain (SPECIES) bilong olgeta man.

RACHIS — Nem bilong liklik stik (STEM) diwai i gat plaua i stap, or nem bilong liklik stik i gat lip diwai.

RADICLE — Nem bilong as diwai (ROOT) i stap insait long pikinini diwai (EMBRYO, SEED).

RADIUS — Nem bilong wanpela bun bilong han i stap daunbilo long skru bilong han (ELBOW). (Fig. 38 page 92).

RAIN FOREST — Nem bilong ples i gat planti ren tru. RAIN FOREST i gat planti kain kain diwai i bung wantaim. PAPUA NEW GUINEA em i gat planti RAIN FOREST i stap.

RANGE — Nem bilong wanem hap long kantri animal na diwai i save sindaun.

RATITES — Nem bilong sampela kain pisin i no save flai. Muruk em i wanpela kain RATITE.

RECEPTACLE — Nem bilong hap bilong sampela diwai (ANGIOSPERMS) i stap antap long stik bilong plaua. Olgeta hap long plaua i stap long RECEPTACLE. Tok piksa: hap long plaua i gat kala (PETAL, COROLLA) na hap i lukluk olsem lip (SEPAL, CALYX) na man na meri sem (STAMEN, CARPAL) olgeta emi stap long RECEPTACLE. (Fig. 21 page 37).

RECEPTOR — Nem bilong wanpela hap bilong bodi i save olgeta samting bilong ausait. Tok piksa: ai i gat save long lait i stap long ausait, na ia i gat save long nois i stap long ausait long animal, na nus i gat save long smel i stap long ausait. Olgeta ai, ia, na nus, olgeta em i RECEPTOR.

RECTAL — Nem bilong olgeta samting bilong insait long as bilong animal.

RECTUM — Nem bilong hap insait long as bilong sampela kain animal. (Fig. 15 page 28).

RED BLOOD CELL (RBC) — Nem bilong wanpela kain CELL i stap insait long blut. RBC em i retpela i save karim win i go long olgeta hap bilong bodi.

REEFS — Nem bilong samting i stap klostu long graun i stap arere long solwara. REEFS em i strongpela haus bilong liklik animal i save sindaun long solwara. Planti kain kain animal i save sindaun long REEFS.

REGENERATION — Nem bilong pasin bilong sampela animal na diwai i save mekim nupela hap bilong bodi bilong em sapos em i lusim olpela hap bilong em. Tok piksa: sampela kain palai i ken mekim arapela tel bilong em sapos em i lus olpela.

RENAL — Nem bilong olgeta samting bilong wanpela kain mit (ORGAN) i stap insait long bodi i save mekim pispis ol i kolim KIDNEY (Fig. 24 page 50).

REPTILE (REPTILIA) — Nem bilong wanpela lain (CLASS) bilong animal. REPTILE i no gat gras bilong em. Tarasel na snek, na palai na pukpuk olgeta bilong lain REPTILIA.

RESISTANCE — Nem bilong sampela kain animal na diwai i save pait sampela sik i kamap insait long em.

RESPIRATION — Nem bilong pasin bilong olgeta animal na diwai i save usim pawa i stap long kaikai bilong em. Nau sampela animal na diwai i wokim RESPIRATION long wanpela hap long win (OXYGEN). Dispela kain RESPIRATION ol i kolim AEROBIC RESPIRATION, nau arapela kain RESPIRATION em i no usim wanpela hap long win ol i kalim ANAEROBIC RESPIRATION.

RETICULATE — Nem bilong samting i lukluk olsem umben.

RETINA — Nem bilong wanpela hap long ai bilong animal. RETINA em i stap long baksait long ai. Nau wanpela rot wailis (NERVE) i pasim long RETINA na i go long kru i stap insait long het (BRAIN). RETINA i save helpim ai lukim olgeta samting. (Fig. 17 page 34).

RHIZOID — Nem bilong gras bilong sampela kain diwai i no gat plaua. RHIZOID i stap daunbilo long graun.

RHIZOME — Nem bilong stik diwai (STEM) i stap aninit long graun. Em i no as bilong diwai. (ROOT).

RHODOPHYTA — Nem bilong wanpela kain diwai (ALGAE) em i stap long solwara. RHODOPHYTA em i gat retpela kala em i no gat plaua na lip tru na as (ROOT) bilong em.

RIB — Nem bilong sampela bun bilong banis bilong animal. Planti RIB i karamap wit lewa (LUNG). (Fig. 38 page 92).

RIBOSOME — Nem bilong wanpela liklik samting tru i stap insait long olgeta' CELL. Planti RIBOSOME i bung wantaim em i helpim CELL mekim liklik mit tru (PROTEIN). (Fig. 9 page 18).

RNA (RIBONUCLEIC ACID) — Nem bilong wanpela samting i stap insait long CELL i helpim mek liklik mit tru (PROTEIN).

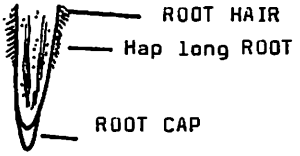
RODENT (RODENTIA) — Nem bilong wanpela lain (ORDER) bilong animal. Em i gat gras na tupela longpela tit i stap antap na daunbilo long maus bilong em. RODENT i gat planti kain kain animal bilong dispela lain. Rat em i wanpela animal bilong RODENT.

RODS — Nem bilong wanpela liklik hap long ai i save helpim ai wok. RODS i no ken lukim kala em i wok sapos i no gat planti lait i stap long ausait.

ROOT — Nem bilong as bilong diwai i stap long ananit long graun. ROOT i save pulim wara na arapela samting long graun i go antap long stik (STEM) na lip diwai. (Fig. 35 page 87 Fig. 41 page 106).

ROOT CAP — Nem bilong wanpela hap bilong as bilong diwai (ROOT) i stap long poin long ROOT. ROOT CAP em i lukautem long ROOT long taim ROOT i muv ananit long graun.

Figure 35.



ROOT HAIR — Nem bilong sampela samting olsem gras i stap long as bilong diwai. (ROOT). (Fig. 35 page 87).

RUDIMENTARY — Nem bilong sampela hap long bodi bilong sampela animal bipo bipo tru i save usim dispela hap. Nau animal i no save usim dispela hap long bodi. Em i stap nating.

SAGITTAL — Nem bilong wanpela lain bilong lainim samting long bodi i stap long namel long longpela hap bilong bodi. Nau dispela lain i katim long tupela hap.

SALIENTIA — Nem bilong wanpela lain (ORDER) bilong animal. Olgeta rokrok bilong lain SALIENTIA.

SALIVA — Nem bilong wara bilong maus. SALIVA i gat sampela kain marasin (ENZYME) i save brukbrukim kaikai.

SAPROPHYTE — Nem bilong pasin bilong sampela animal i save kaikai animal i go dai pinis na sting.

SAURIA — Nem bilong wanpela lain long animal. Palai em i lain bilong SAURIA.

SCAPULA — Nem bilong wanpela bikpela bun bilong solda (PECTORAL GIRDLE).

SCLERENCHYMA — Nem bilong wanpela kain CELL i bung wantaim (TISSUE) bilong diwai. SCLERENCHYMA i gat strongpela banis (CELL WALL) bilong em. SCLERENCHYMA em i helpim diwai i sanap strong. Piksa: Figure 36.

SCLERENCHYMA CELL

SCROTUM — Nem bilong bilum bilong bol bilong man i stap.

SCUTELLUM — Nem bilong lip bilong pikinini bilong gras diwai. (COTYLEDON).

SEASONAL — Nem bilong samting i kamap long wanpela taim long wanpela krismas. Tok piksa: Planti pisin i save karim kiau long July-August tasol. Em i gat SEASONAL long karim kiau.

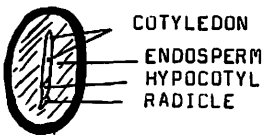
SECONDARY THICKENING — Nem bilong strongpela banis bilong CELL (CELL WALL) bilong diwai. Dispela SECONDARY THICKENING i kamap long banis i helpim diwai i kamap strongpela i no pundaun.

SECRETION — Nem bilong pasin bilong CELL i save lusim i go sampela samting olsem strongpela wara, (MUCOUS) na sampela marasin (HORMONE, ENZYME). Nau SECRETION i save muv sampela samting long CELL i go naubaut long bodi.

SEDENTARY — Nem bilong pasin bilong sampela animal i sindaun long wanpela hap tasol, i no wokabaut tumas.

SEED — Nem bilong pikinini bilong sampela kain diwai (ANGIOSPERM, GYMNOSPERM). SEED i gat planti hap bilong em i kamap long taim man kiau (SPERM) na meri kiau (OVULE) bung wantaim (POLLINATION, FERTILIZATION) i bihain pikinini i kamap.

Figure 37. PIKSA BILONG SEED



SEGMENTATION — Nem bilong samting bilong sampela animal i gat planti hap long bodi i kamap olsem. Tok piksa: liklik snek (WORM, ANNELIDA) i gat planti hap bilong em i kamap olsem.

SELF-POLLINATION — Nem bilong pasin bilong sampela plaua i gat man kiau (SPERM) na meri kiau (OVULE) i stap wantaim long wanpela plaua. Nau SPERM i save bung wantaim long OVULE (POLLINATION, FERTILIZATION) i bihain pikinini i kamap.

SEMEN — Nem bilong wara bilong man em i olsem melek or susu. Nau kiau (SPERM) i stap long SEMEN.

SENSE ORGAN — Nem bilong sampela hap long bodi i gat save long wanem samting i stap long ausait long bodi. Olsem ai na ia na nus na tang na finga em i olgeta SENSE ORGAN i gat save long lait, smel, nois, traim kaikai, na pilim samting.

SENSORY — Nem bilong olgeta samting bilong bodi i gat save long em wanem samting i stap long ausait long em.

SEPAL — Nem bilong wanpela hap long plaua. Em i stap ananit long hap long plaua i gat kala. Nau planti plaua i gat grinpela SEPAL em i lukluk olsem lip diwai. (Fig. 21 page 37).

SEPTUM (pl.SEPTA) — Nem bilong olgeta banis bilong bodi. Tok piksa: SEPTUM bilong hat em i banis i stap long namel long hat.

SERPENTIA (SERPENT) — Nem bilong wanpela lain long animal. Snek bilong lain SERPENTIA.

SESSILE — Nem bilong mak bilong sampela kain diwai i no gat stik bilong hap long bodi bilong em or SESSILE em i nem bilong pasin bilong sampela animal i no gat bun bilong baksait (INVERTEBRATE) i save sindaun long wanpela hap tasol i no muv (SEDENTARY).

SETAE (s.SETA) — Nem bilong sampela gras bilong sampela animal i no gat bun bilong baksait bilong em. (INVERTEBRATE) liklik snek (WORM, ANNELIDA) i gat planti SETAE em i olsem sampela kain gras. Em no olsem gras bilong man.

SEX-CHROMOSOME — Nem bilong wanpela liklik rop tru i stap insait long CELL (CHROMOSOME). SEX-CHROMOSOME i save mekim mak bilong sem bilong meri na arapela mak bilong man.

SEXUAL REPRODUCTION — Nem bilong pasin bilong planti kain animal na diwai i gat tupela kain kiau (GAMETES) bilong em. Man kiau (SPERM) na meri kiau (OVUM, OVULE) i bung wantaim (FERTILIZATION) na bihain pikinini i kamap.

SHOOT — Nem bilong hap long diwai i gat stik na lip na han olsem ol i kolim kru. (Fig. 13 page 24).

SIBLING — Nem bilong olgeta brata na sista bilong animal.

SILURIAN — Nem bilong taim bipo bipo tru (GEOLOGICAL PERIODS AND ERAS). SILURIAN i kamap 440 milin krismas bipo na i pinis 395 milin krismas bipo.

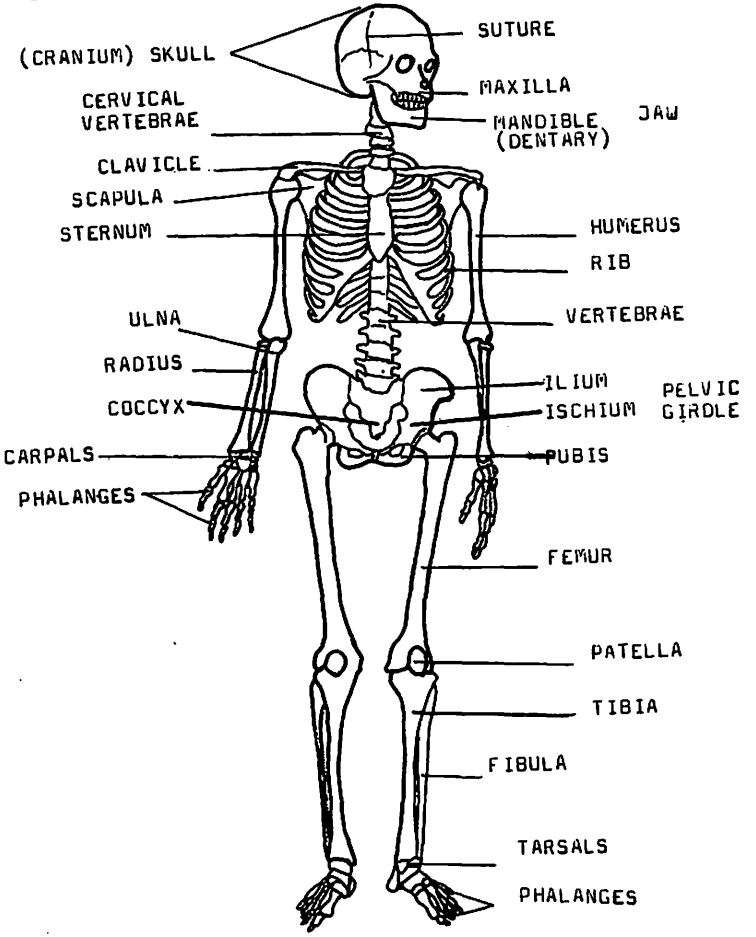
SINUS — Nem bilong sampela liklik spes i stap insait long bodi bilong animal na diwai. Tok piksa: NASAL SINUS em i nem bilong liklik spes i stap insait long het klostu long nus.

SIPHONAPTERA — Nem bilong wanpela lain (ORDER) bilong binatang (INSECT). Em i liklik na i no gat WING bilong em. Binatang bilong lain SIPHONAPTERA em i save kaikai animal ol i kolim laus.

SKELETAL MUSCLE Nem bilong wanpela kain mit (MUSCLE) i pasim bun bilong animal na i save muvim han na lek na finga na wasket na planti bun bilong bodi.

SKELETON Nem bilong bun bilong animal.

Figure 38.



SKULL — Nem bilong olgeta bun bilong hat. (Fig. 38 page 92).

SMOOTH MUSCLE — Nem bilong wanpela kain mit (MUSCLE) bilong animal. Em i stap arere long rot bilong kaikai (INTESTINE) na rop bilong blut (BLOOD VESSEL) na arapela hap bilong bodi. SMOOTH MUSCLE i wokim long helpim na muvim kaikai na helpim muvim blut i go long bodi.

SOMATIC — Nem bilong olgeta samting bilong bodi.

SORUS (pl.SORI) — Nem bilong hap long sampela kain diwai (FERN). Planti liklik kiau (SPORE) bilong FERN bung wantaim long SORUS.

SPECIATION — Nem bilong wanpela hap long lo long EVOLUTION i tok: sampela taim wanpela nupela liklik lain (SPECIES) i ken kamap long olpela liklik lain (SPECIES). Planti krismas tru i kamap long mekim wanpela liklik lain (SPECIES).

SPERM — Nem bilong kiau bilong man na animal na diwai i save kamap long sem bilong em.

SPERMATOCYTE — Nem bilong wanpela kain CELL i stap long bel bilong man. SPERMATOCYTE i tainim long man kiau (SPERM) i ken mekim foapela SPERM.

SPERMATOPHYTA — Nem bilong wanpela bikpela lain (DIVISION) bilong diwai. Nau olgeta diwai bilong lain long SPERMATOPHYTA em i gat pikinini diwai (SEED). ANGIOSPERM na GYMNOSPERM bilong lain SPERMATOPHYTA.

SPHINCTER — Nem bilong sampela samting long mit i stap long planti mambu i stap insait long bodi bilong sampela kain animal. SPHINCTER i wokim olsem doa. Tok piksa: bodi bilong man em i gat wanpela SPHINCTER i stap antap long hap long bel (STOMACH) i save brukbrukim kaikai. Dispela SPHINCTER i save pasim rot bilong kaikai i go insait long STOMACH (ESOPHAGUS). Nau kaikai i stap long STOMACH i no ken kamaut long STOMACH i go ausait long maus. Em i gat planti SPHINCTER i stap insait long bel.

SPINAL CORD — Nem bilong hap bilong olgeta rot wailis (NERVOUS SYSTEM) i stap insait long bun bilong baksait (VERTEBRAE). Em i olsem mambu i gat planti rot wailis (NERVE) i stap insait.

SPINE — Nem bilong sampela samting i kamaut long sampela hap long bodi bilong animal na diwai. SPINE em i olsem nel.

SPLEEN — Nem bilong wanpela mit (ORGAN) i stap long bel. SPLEEN i gat planti witpela CELL (LEUKOCYTES) bilong blut i save kilim liklik binatang tru (BACTERIA) i kam insait long bodi. Olsem SPLEEN i gat planti retpela CELL bilong blut (ERTHROCYTES) i stap.

SPONGE — Nem bilong wanpela kain animal i stap long solwara. Bodi bilong em i no stret tumas. SPONGE i lukluk olsem bol bilong gumi.

SPONTANEOUS GENERATION — Nem bilong wanpela samting bilong BIOLOGY i tok; sampela animal na diwai ken i kamap long samting i no gat laip (ABIOGENESIS). Em i lo giaman bilong BIOLOGY.

SPORANGIUM (pl.SPORANGIA) — Nem bilong sampela hap long diwai i save mekim liklik kiau bilong diwai (SPORE).

SPORE — Nem bilong wanpela kain liklik kiau bilong diwai.

SPOROPHYLL — Nem bilong wanpela kain lip diwai i gat sampela hap i save mekim liklik kiau bilong diwai (SPORANGIA).

SPOROPHYTE — Nem bilong wanpela pasin bilong diwai long taim diwai i save mekim liklik kiau (SPORE) bilong em.

SQUAMATA — Nem bilong wanpela lain (ORDER) bilong animal i gat palai na snek. Animal bilong lain SQUAMATA i no gat gras bilong em.

STAMEN — Nem bilong wanpela hap long plaua. STAMEN em i man sem bilong plaua. Man kiau (POLLEN,SPERM) i stap antap long STAMEN. (Fig. 20 page 36).

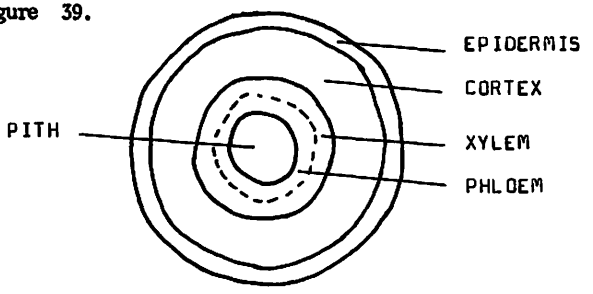
STAMINATE — Nem bilong olgeta kain plaua i gat hap bilong man kiau tasol. Nau STAMINATE plaua i no gat hap bilong meri plaua (CARPEL).

STARCH — Nem bilong wanpela kaikai i stap insait grinpela diwai. STARCH em i planti suga i bung wantaim.

STELE — Nem bilong kru i stap insait long stik diwai. STELE i gat hap long diwai long muvim wara na kaikai long diwai (VASCULAR BUNDLE).

STEM — Nem bilong stik diwai.

Figure 39.



STERILE — Nem bilong mak bilong diwai na animal i no save mekim na karim pikinini or nem bilong samting i no gat liklik binatang tru. (BACTERIA) i stap long em.

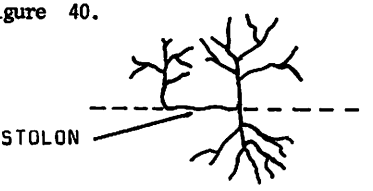
STERNUM — Nem bilong bun i stap long namel long bun bilong banis (RIB) planti RIB i pasim long STERNUM. (Fig. 38 page 92).

STIMULUS (pl.STIMULI) — Nem bilong sampela taim sampela samting i stap long ausait long animal or diwai (ENVIRONMENT) i kamap strong inap long mekim sampela samting bilong animal or diwai senis (RESPONSE). Tok piksa: sapos sampela bikpela nois i kamap klostu long sampela kapul na dispela kapul i gat pret long dispela nois na ranawe. Nois em i STIMULUS.

STIPULE — Nem bilong sampela hap long stik diwai bilong sampela kain diwai. Nau STIPULE em i lukluk olsem liklik lip. STIPULE i stap klostu long stik bilong lip (PETIOLE).

STOLON — Nem bilong wanpela hap bilong sampela kain diwai. STOLON em wanpela kain stik diwai (STEM) i save kamap klostu long graun.

Figure 40.



STOMA (pl. STOMATA) — Nem bilong liklik hul i stap long ausait skin bilong lip diwai. Win i save go insait long lip long STOMA.

STOMACH — Nem bilong hap long bel i save brukbrukim kaikai. Planti kain kain marasin (ENZYME) i helpim STOMACH long brukbrukim kaikai. Olsem STOMACH i gat mit (MUSCLE) i helpim tainim kaikai i stap insait long STOMACH. (Fig. 15 page 28).

STROBILUS (pl.STROBILI) — Nem bilong wanpela hap bilong sampela kain diwai. Planti kiau bilong man meri i save bung wantaim long STROBILUS.

STYLE — Nem bilong wanpela hap long plaua. STYLE em i liklik stik bilong meri sem bilong plaua.

SUB- Nem bilong sampela samting i stap daunbilo sampela arapela samting.

SUBCUTANEOUS Nem bilong hap bilong bodi i stap ananit na klostu ausait skin bilong animal na diwai. Tok piksa: SUBCUTANEOUS gris em i gris i stap ananit long ausait skin bilong animal.

SUCCESSION Nem bilong taim sampela hap long diwai na animal bung long wanpela ples (COMMUNITY) na bihain dispela hap long graun i gat nupela kain diwai na animal i stap wantaim. Tok piksa: sapos sampela hap i stap graun nating, nau bihain sampela liklik gras i kamap long dispela graun, nau bihain moa yet, bikpela diwai i kamap long dispela hap long graun, nau bihain planti kain kain bikpela diwai tru i kamap long dispela hap long graun, olgeta em i taim bilong SUCCESSION.

SUCCULENT Nem bilong mak bilong sampela kain diwai i gat strong lip na stik bilong em. Em i save bungim planti wara i stap insait long em. Dispela kain diwai i save sindaun long ples i drai (XERIC).

SUCROSE Nem bilong wanpela kain suga. Na SUCROSE em i tupela kain suga i bung wantaim.

SUTURE Nem bilong lain i kamap long taim tupela hap long bodi bilong animal na diwai i bung wantaim. Tok piksa: man i gat planti bun bilong het (SKULL) na dispela bun i bung wantaim nau sampela lain i kamap long namel long tupela bun. (Fig. 38 page 92).

SWEAT GLAND — Nem bilong wanpela kain CELL i bung wantaim bilong sampela kain animal (MAMMAL) i stap klostu long ausait skin. SWEAT GLAND i save rausim wara bilong skin long taim ausait i hat tumas. SWEAT GLAND i helpim animal i no go dai pinis long kukim bodi bilong em long hat i stap long ausait.

SYMBIOSIS — Nem bilong pasin bilong tupela animal na diwai i bung wantaim na helpim wanpela wanpela.

SYMMETRY — Nem bilong samting long tok save long olgeta hap bilong bodi bilong animal na diwai i stap we.

SYNAPSE — Nem bilong wanpela hap long rot wailis (NERVE) i stap insait long bodi. SYNAPSE em i liklik spes i stap long namel long tupela NERVE.

SYNCARPOUS — Nem bilong wanpela kain plaua diwai i gat planti meri sem (CARPEL) i bung wantaim long plaua.

SYNGAMY — Nem bilong pasin bilong planti animal na diwai. SYNGAMY em i taim bilong kiau bilong man (SPERM) na kiau bilong meri, (OVUM, OVULE) bung wantaim (FERTILIZATION).

SYSTEMIC — Nem bilong samting sapos sampela samting em i go i stap nabaut long bodi. Em i no stap long wanpela hap tasol.

SYSTOLE — Nem bilong wanpela hap long taim hat i pamp. SYSTOLE em i taim long hat i rausim blut i stap insait long hat.

TACTILE — Nem bilong samting bilong taim sampela animal na diwai i pilim samting.

TADPOLE — Nem bilong pikinini (LARVAE) bilong rokrok, em i lukluk olsem pis. TADPOLE em i no pis tru.

TAPETUM — Nem bilong wanpela kain CELL i bung wantaim long meri sem bilong sampela kain diwai. TAPETUM i gat planti kaikai i stap long CELL bilong em. Liklik kiau (SPORE) kaikai TAPETUM.

TAPEWORM — Nem bilong wanpela kain liklik snek (WORM) i stap insait long bel bilong sampela kain animal na kaikai em (ENDOPARASITE). Nau pikinini bilong TAPEWORM i save kamaut long as bilong ANIMAL (HOST).

TAP ROOT — Nem bilong wanpela kain as diwai (ROOT) i gat wanpela longpela hap bilong em i go daunbilo tru insait long graun. Nau TAP ROOT i gat liklik han bilong em tasol.

TARSAL — Nem bilong planti bun i stap long baksait long fut. (Fig. 38 page 92).

TASTE BUDS — Nem bilong hap long tang. TASTE BUD i ken save em wanem samting man i kaikai. TASTE BUD i gat save long foapela samting bilong kaikai. Em i gat save long kaikai i swit olsem suga, na kaikai em i gat sol, na kaikai em i pait olsem muli, na kaikai i gat pait.

TAXIS — Nem bilong pasin bilong animal i wokabaut i go klostu or i ran awe long sampela samting. Tok piksa: Sapos sampela pis i save wokabaut long wara klostu sampela lait i kamap em i wanpela kain TAXIS.

TAXONOMY — Nem bilong lainim samting long em wanem lain bilong olgeta animal na diwai (CLASSIFICATION).

TELEOSTEI — Nem bilong lain bilong animal. Olgeta pis i gat bun bilong em bilong lain long TELEOSTEI.

TEMPORAL — Nem bilong olgeta samting bilong taim.

TENDON — Nem bilong rop i pasim mit long bun.

TENDRIL — Nem bilong stik na lip diwai or hap long lip diwai i lukluk olsem liklik rop. Planti diwai i usim TENDRIL long holim pas long sampela arapela samting.

TERMITE — Nem bilong binatang i save kaikai diwai. Em i gat foapela wing bilong em.

TERRESTRIAL — Nem bilong pasin bilong animal na diwai i save sindaun long graun.

TERRITORIAL — Nem bilong pasin bilong sampela animal i gat wanpela graun bilong em yet. Nau sapos sampela arapela animal bilong wankain liklik lain (SPECIES) i go insait long dispela graun bilong arapela animal, animal i gat dispela graun em i paitim ol arapela animal i no bilong dispela graun. TERRITORIAL i kamap long planti taim bilong mekim pikinini.

TERTIARY — Nem bilong taim bipo bipo tru (GEOLOGICAL PERIODS AND ERAS) i kamap 65 milin krismas bipo i pinis 1.5 milin krismas bipo.

TESTICLE — Nem bilong bol bilong man. TESTICLE i save mekim kiau bilong man (SPERM) na em i save mekim marasin (HORMONE) bilong mekim mak bilong man (ANDROGEN).

TESTIS — Nem olsem TESTICLE.

TESTOSTERONE — Nem bilong marasin (HORMONE) i save mekim mak bilong man. Tok piksa: TESTOSTERONE i save mekim maus gras i kamap long taim manki i kamap man tru.

TESTUDINATA — Nem bilong wanpela lain (ORDER) long animal. Olgeta trausel bilong lain long TESTUDINATA.

TETRA- — Nem bilong olgeta samting i gat fopela hap bilong em.

TETRAPOD — Nem bilong olgeta animal i gat fopela lek bilong em. Olgeta lain i gat palai (REPTILE) na pisin (AVES) na kapul (MAMMAL) na man (MAMMAL) na rokrok (AMPHIBIA) em i olgeta TETRAPOD.

THERMO- — Nem bilong olgeta samting bilong hat na kol.

THERMOPHILIC — Nem bilong pasin bilong animal na diwai i save sindaun gut long ples hat.

THORACIC — Nem bilong olgeta samting i stap klostu long banis bilong animal (RIB).

THORAX — Nem bilong hap long bodi bilong sampela kain animal. THORAX i stap namel long het na bel. Hat na witlewa (LUNG) i save pulim win i stap long THORAX bilong animal i gat bun bilong baksait (VERTEBRAE) or tripela lek bilong binatang (INSECT) i pasim long THORAX bilong em.

THYMUS GLAND — Nem bilong planti CELL i bung wantaim olsem wanpela kain mit (GLAND) bilong sampela kain animal i gat bun bilong baksait (VERTEBRATE). THYMUS GLAND i stap klostu long nek i save mekim sampela samting (ANTIBODY) i save paitim liklik samting (ANTIGEN, BACTERIA, VIRUS) i stap insait long bodi.

THYROID GLAND — Nem bilong planti CELL bung wantaim olsem wanpela kain mit (GLAND) i stap insait long sampela kain animal (VERTEBRATE) THYROID GLAND i save mekim sampela kain marasin (HORMONE) i save bosim wok bilong bodi long mekim pawa, na mekim nupela mit ol i kalim dispela wok bilong bodi METABOLISM.

TIBIA — Nem bilong bun bilong lek i stap namel long skru bilong lek (KNEE) na long fut. (Fig. 38 page 92).

TISSUE — Nem bilong planti wanpela kain CELL i bung wantaim long mekim wanpela hap long bodi. Tok piksa: ausait skin (EPIDERMIS) na gras na gris na bun em i TISSUE bilong bodi.

TOXIN — Nem bilong gip olsem posin.

TRACHEA — Nem bilong liklik hap long rot i stap insait long stik diwai i save karim wara (XYLEM) or em bilong mambu bilong sampela animal i save karim win long ausait i go long insait long animal. (Fig. 26 page 54).

TRACHEIDS — Nem bilong wanpela liklik hap bilong diwai i save karim wara i go insait long stik diwai (XYLEM) TRACHEID bipo em i wanpela kain CELL i gat strongpela banis bilong em (CELL WALL), nau bihain CELL i dai pinis na banis i save karim wara yet.

TRACHEOLE — Nem bilong liklik mambu bilong sampela kain animal i karim win i go long ausait i kam insait long animal. TRACHEOLE i stap long bikpela mambu long karim win ol i kolim TRACHEA. (Fig. 26 page 54).

TRACHEOPHYTA — Nem bilong wanpela bikpela lain (DIVISION) long diwai. Olgeta diwai bilong TRACHEOPHYTA i gat rot i stap insait long stik long karim wara (XYLEM) na kaikai (PHLOEM).

TRAIT — Nem bilong olgeta mak bilong animal na diwai. Tok piksa: snek i no gat lek bilong em, dispela em i TRAIT bilong snek na kapul i gat gras, em i TRAIT bilong kapul.

TRANSECT — Nem bilong sampela samting bilong kisim save long em wanem kain animal na diwai i stap long sampela hap. TRANSECT em i olsem lain i stap long sampela hap na man bilong BIOLOGY i mekim olgeta kain animal na diwai i stap klostu long dispela lain.

TRANSLOCATION — Nem bilong pasin bilong sampela lain diwai (TRACHEOPHYTA) i save karim kaikai na wara i go insait long stik (STEM) na as diwai (ROOT) na lip diwai.

TRANSVERSE — Nem bilong katim or makim animal or diwai long het na tel. (Fig. 3 page 6).

TREMATODA — Nem bilong lain (CLASS) bilong animal. TREMATODA em i go insait sampela arapela animal na kaikai em (ENDOPARASITE).

TRI- — Nem bilong olgeta samting i gat tripela samting.

TRIASSIC — Nem bilong wanpela taim bipo bipo tru (GEOLOGICAL PERIODS AND ERAS) i kamap 225 milin krismas bipo i pinis 190 milin krismas bipo.

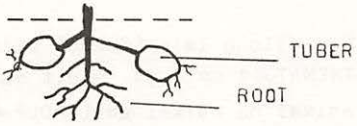
TRICUSPID VALVE — Nem bilong wanpela liklik doa i stap namel long wanpela rum i stap insait long hat (ATRIUM) na long arapela rum (VENTRICLE) TRICUSPID VALVE i save pasim blut i stap long dispela tupela rum. (Fig. 22 page 43).

TROPH- — Nem bilong olgeta samting bilong animal na diwai i save kaikai.

TROPIC — Nem bilong hap long graun i stap klostu long lain namel long olgeta graun.

TROPISM — Nem bilong pasin bilong diwai i save kamap klostu long lait or long pawa long graun i pulim kamdaun (GRAVITY).

TUBER — Nem bilong wanpela hap long stik diwai (STEM) i stap ananit long graun. Nau TUBER em i bikpela stik diwai. Na planti kaikai bilong diwai i stap long TUBER. Tok piksa: hap long potato na kaukau i stap ananit long graun em i TUBER.
Figure 41.



TURTLE — Nem bilong tarasel.

TWIN — Nem bilong tupela pikinini i kamap long bel long meri wantaim.

ULNA — Nem bilong wanpela bun bilong han i stap namel long skru bilong han (ELBOW) na han tru. (Fig. 38 page 92).

UMBILICAL CORD — Nem bilong rop i stap long pikinini (FETUS) i stap long bel bilong meri (UTERUS) UMBILICAL CORD i kamaut long bilum bilong pikinini (PLACENTA) UMBILICAL CORD i save karim win na kaikai bilong meri i go insait long pikinini.

UNI- — Nem bilong olgeta samting i gat wanpela samting tasol.

UNICELLULAR — Nem bilong mak bilong sampela animal na diwai i gat wanpela CELL bilong em tasol UNICELLULAR em i olsem ACELLULAR. (Fig. 7 page 12 , Fig. 34 page 81).

UNISEXUAL — Nem bilong sampela pasin bilong sampela animal na diwai i gat wankain sem bilong em tasol. Em i no gat meri kiau na man kiau bilong em (GAMETES).

UREA — Nem bilong wanpela samting i stap long pispis. UREA em i rabis bilong mit i go ausait long wara bilong animal.

URETER — Nem bilong liklik rot bilong pispis i kamaut long mit i (KIDNEY) save mekim pispis. URETER i karim pispis long bilum i go long bungim pispis (URINARY BLADDER). (Fig. 24 page 50).

URETHRA — Nem bilong rop i stap insait long kok (PENIS) na bokis bilong meri. URETHRA save karim pispis na wara bilong man (SEMEN) i go long ausait long bodi bilong sampela kain animal. (Fig. 24 page 50).

URINARY BLADDER — Nem bilong bilum i stap daunbilo long bel i save bungim pispis bilong sampela kain animal. (Fig. 24 page 50).

URINE — Nem bilong pispis.

UTERUS — Nem bilong wanpela hap long bel bilong meri i save karim pikinini. (Fig. 31 page 68).

VACCINE — Nem bilong marasin i stap long sut. VACCINE i save helpim bodi kilim liklik binatang tru (BACTERIA) i save go insait long man na mekim sik.

VACUOLE — Nem bilong liklik rum tru (ORGANELLE) olsem liklik bilum i stap insait long CELL bilong diwai. Sampela VACUOLE i gat kaikai i stap. (Fig. 9 page 18).

VAGINA — Nem bilong bokis bilong meri olsem kan bilong meri. (Fig. 31 page 68).

VALVE — Nem bilong planti samting i stap insait long bodi bilong animal na diwai. VALVE i wokim olsem doa i save pasim sampela mambu i stap insait long bodi. (Fig. 22 page 43).

VARIATION — Nem bilong kain kain mak bilong animal na diwai bilong wanpela liklik lain (SPECIES). Tok piksa: olgeta man bilong wanpela liklik lain long animal. Nau olman em i gat planti kain kain mak bilong em. Em i bikpela man na sotpela man. Sampela man i gat braunpela skin na arapela i gat wait pela skin ol i kalim dispela kain kain mak, VARIATION.

VARIETY — Nem bilong olgeta liklik lain tru i stap long wanpela liklik lain (SPECIES) long olgeta diwai. Wanpela VARIETY long wanpela SPECIES i gat sampela mak bilong em i no gat long arapela VARIETY long wankain SPECIES i gat mak olsem.

VASCULAR — Nem bilong olgeta rop bilong animal na diwai i save karim blut or wara or sampela samting olsem wara.

VASCULAR BUNDLE Nem bilong wanpela hap long stik diwai (STEM) i stap insait long diwai. VASCULAR BUNDLE i save karim kaikai (PHLOEM) na wara (XYLEM) bilong em.

VASCULAR PLANTS Nem bilong sampela diwai i gat rot bilong em i stap insait long stik (STEM) diwai i save karim kaikai na wara ol i kolim dispela rot VASCULAR BUNDLE. Nem bilong dispela kain diwai em i olsem TRACHEOPHYTA.

VAS DEFERENS Nem bilong liklik rop i stap long sem bilong man. VAS DEFERENS i save karim man kiau (SPERM) long bol i go long rot bilong kok (URETHRA).

VASO- Nem bilong olgeta samting bilong rop bilong blut.

VASOCONSTRICTION Nem bilong taim rop bilong blut (VESSEL) i senis long liklik. Nau planti blut i no ken ran nabaut long bodi.

VASODILATION Nem bilong taim rop bilong blut (VESSEL) i senis long bikpela. Nau planti blut i ken ran nabaut long bodi.

VECTOR Nem bilong sampela animal i save karim liklik binatang tru olsem jem (BACTERIA, VIRUS) VECTOR i go long arapela kain animal i mekim dispela animal sik. Tok piksa: sampela kain moskito i save karim liklik binatang tru (PROTOZOA) nau sapos dispela moskito i save kaikai man PROTOZOA i ken go insait long blut long man. Nau man i kamap sik (MALARIA).

VEGATATIVE PROPAGATION — Nem bilong pasin bilong sampela diwai i save mekim nupela diwai long hap bilong em. Tok piksa: sapos you katim han bilong diwai na planim dispela han diwai. Nau bihain dispela han diwai i kamap nupela diwai.

VEIN — Nem bilong wanpela kain rop bilong blut i karim blut i go long hat or nem bilong rop i stap long lip diwai i karim wara i go long em. (Fig. 10 page 21, Fig. 25 page 52).

VENA CAVA — Nem bilong bikpela rop bilong blut (VEIN) i karim blut i go long hat. (Fig. 22 page 43).

VENATION — Nem bilong olgeta liklik rop (VEIN) i stap long lip or nem bilong olgeta rop (VEIN) i stap long WING bilong binatang (INSECT).

VENOM — Nem bilong poisin bilong animal. Snek i save kilim man i gat planti VENOM i stap long em.

VENOUS — Nem bilong olgeta samting bilong rop bilong karim blut i go long hat.

VENTRAL — Nem bilong olgeta hapsait long animal i stap long arasait long baksait long animal. Tok piksa: bel bilong animal i stap long VENTRAL hap long animal. (Fig. 3 page 6).

VERNALIZATION — Nem bilong pasin bilong sampela kain diwai. Nau kol i mekim pikinini diwai i kamap bikpela diwai (GERMINATION) i gat dispela pasin. Sapos ples i no gat kol pikinini i stap long graun tasol, i no kamap.

VERTEBRAE — Nem bilong bun bilong baksait bilong sampela kain animal (VERTEBRATES). (Fig. 38 page 92).

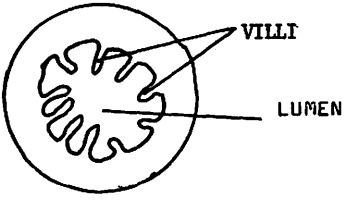
VERTEBRATES — Nem bilong wanpela lain bilong animal. Animal bilong lain long VERTEBRATES em i gat bun bilong baksait (VERTEBRAE) bilong em. Fis na kapul na rokrok na snek na pukpuk na pisin na rat na man, olgeta bilong lain long VERTEBRATES.

VESSEL — Nem bilong wanpela hap long rot i stap long stik (STEM) diwai. VESSEL em i CELL i dai pinis i save karim wara long insait long stik diwai or VESSEL em i nem bilong olgeta rop bilong blut.

VESTIGAL — Nem bilong sampela hap bilong bodi i no save wokim samting. Dispela hap em i wokim samting long animal i stap bipo bipo tru. Em i liklik samting nau.

VILLI (s.VILLUS) — Nem bilong samting lukluk olsem liklik finga tru. VILLI i stap insait long rot bilong kaikai (INTESTINE) i helpim kaikai i go insait long bodi bilong animal.

Figure 42.



VIRUS — Nem bilong liklik samting tru. Em i klostu animal i no animal na diwai tru. VIRUS em i gat tupela hap bilong em. Liklik mit tru (PROTEIN) na DNA or RNA. Sampela VIRUS i save kilim CELL na liklik binatang tru (BACTERIOPHAGE).

VISCERAL — Nem bilong olgeta samting bilong bel.

VITAMIN — Nem bilong planti kain marasin i stap insait long kaikai i helpim animal i kamap strongpela.

VIVIPAROUS — Nem bilong pasin bilong sampela lain long animal i save karim pikinini. Nau bihain pikinini i kamaut long meri bilong em. Animal i gat pasin VIVIPAROUS i no save putim kiau.

VOLUNTARY MUSCLE — Nem bilong wanpela kain mit (MUSCLE) bilong hanlek i save muv han na lek na planti bun i stap long bodi. (SKELETAL MUSCLE).

WILTING — Nem bilong pasin bilong diwai. Nau sapos i no gat wara diwai em i go daun i no dai yet.

WINDPIPE — Nem bilong wanpela mambu i stap long nek bilong sampela kain animal (VERTEBRATE) i karim win i go long witlewa (LUNG). (LARYNX, TRACHEA).

WING — Nem bilong hap bilong animal i save helpim flai. Binatang (INSECT) na pisin na blak bokis i gat wing bilong em.

WOMB — Nem bilong hap bilong bel bilong meri i pikinini i kamap. WOMB em i olsem UTERUS. (Fig. 31 page 68).

WOOD — Nem bilong diwai. Planti CELL bilong karim wara (XYLEM) i bung wantaim long mekim WOOD.

X-CHROMOSOME — Nem bilong wanpela kain liklik rop tru (CHROMOSOME) i stap insait long CELL. X-CHROMOSOME em wanpela kain SEX CHROMOSOME i gat planti liklik hap bilong em (GENE) i save mekim mak bilong meri. Meri i gat tupela X-CHROMOSOME long wanpela CELL. Na man i gat wanpela tasol.

XERIC — Nem bilong hap long graun i no gat planti wara.

XEROPHYTE — Nem bilong diwai i save sindaun long ples i no gat planti wara.

XYLEM — Nem bilong wanpela hap long diwai i stap insait long stik diwai (STEM). XYLEM i save karim wara i go insait long diwai. (Fig. 39 page 92).

Y-CHROMOSOME — Nem bilong wanpela liklik rop tru (CHROMOSOME) i stap insait long CELL bilong man. Y-CHROMOSOME em i wanpela SEX-CHROMOSOME. Y-CHROMOSOME i mekim kiau (ZYGOTE) i kamap man.

YEAST — Nem bilong wanpela kain liklik diwai tru (FUNGUS). YEAST em i gat wanpela CELL tasol. YEAST em i save brukbrukim suga i senis suga long spirits (FERMENTATION).

YOLK — Nem bilong sampela hap long kiau bilong sampela kain animal. YOLK i gat planti kaikai i stap insait long em. Taim pikinini i stap insait long kiau em i save kaikai YOLK. (Fig. 16 page 30).

ZOOGEOGRAPHY — Nem bilong wanpela hap bilong BIOLOGY i gat save long em wanem kain animal i stap long em wanem ples. ZOOGEOGRAPHY em gat planti ples bilong olgeta graun i stap. Nem bilong kain kain ples bilong ZOOGEOGRAPHY stap daunbilo:

PALEARCTIC	TROPICAL
ORIENTAL	NEOTROPICAL
AUSTRALIAN	ETHIOPIAN
NEARCTIC	

ZOOLOGY — Nem bilong lainim samting long olgeta animal.

ZOOPLANKTON — Nem bilong liklik animal i stap long wara na solwara. Planti kain kain bikpela animal i stap long wara na solwara i save kaikai ZOOPLANKTON.

The references listed below were used to aid in the development of many of the definitions as well as a portion of the illustrations:

Abercrombie, Hickman & Johnson, 1973 (6th Ed.)
A Dictionary of Biology. Penguin Books.

Cutter, E.G., 1969.
Plant Anatomy: Experiment and Interpretation.
Addison-Wesley Publishing Co.

DeCoursey, R.M., 1961 (2nd Ed.)
The Human Organism. New York: McGraw-Hill Book Co.

Dutton, T.E., 1973.
Conversational New Guinea Pidgin. Pacific Linguistics.

Elliott, A.M. & C. Ray, 1965 (2nd Ed.)
Biology. New York: Appleton-Century-Crofts.

Elliott, A.M. & B.R. Voellee, 1970.
Basic Biology. New York: Meredith Corporation.

Foster, S.A. & E.M. Gifford, 1973 (2nd Ed.)
Comparative Morphology of Vascular Plants. W.H. Freeman & Co.

Goodnight, Goodnight & Gray, 1964.
General Zoology. Reinhold Publishing Co.

Mihalic, F. 1971.
The Jacaranda Dictionary & Grammer of Melanesian Pidgin.
The Jacaranda Press.

Moment, G.B., 1967 (2nd Ed.)
General Zoology. Boston: Houghton Miflin Co.

Storer, Usinger et al., 1972 (2nd Ed.)
General Zoology. New York: McGraw Hill Book Co.

Weiz, P.B., 1971 (4th Ed.)
The Science of Biology. McGraw Hill Inc.

Wilson, Eisner, Briggs et al., 1973.
Life on Earth. Sinauer Associates Inc.

WAU ECOLOGY INSTITUTE

This book is published by the WAU ECOLOGY INSTITUTE, which is an organization dedicated to education for ecology and conservation in Papua New Guinea. The Institute is located at Wau (alt. 1200 metres) in the mountains of eastern Papua New Guinea. It encompasses a large arboretum of native plants, a zoo, a small museum, and some facilities for research.

Ecological studies are carried out along an extensive transect through many life zones. Instruction is given to visiting classes and nature tours.

Visitors are welcome at the Institute. There are guest houses and a hostel, with bedding and cooking facilities supplied. There is a branch station at 2360 meters altitude. Inquire for rates.

Contributions are solicited for fellowships, and for developing the zoo and displays. Gifts are tax-free in Papua New Guinea (tax-free in USA if sent to Ecology Fund, Bishop Museum, Box 6037, Honolulu, Hawaii 96818).

Publications of Wau Ecology Institute

Handbook of common New Guinea Frogs, by J. I. Menzies. 1976, 75p. 12 col. pl. Price K3.00; AU$3.50; US$4.50.

Handbook of common New Guinea Beetles, by J. L. Gressitt and R. W. Hornabrook. 1977. 87 p. many illustr., 4 col. pl. Price as preceding.

Guide to biological terms in Melanesian pidgin. By Martin Simon. 115p., illustr. Price K2.50; AU$3.00; US$4.00.

Guide to native land mammals of north-east New Guinea, by A. Ziegler. 28p. K1.00.

Ecology and Conservation in Papua New Guinea, edited by K. P. Lamb and J. L. Gressitt. 1976, 153p. K1.35; $2.00.

Yumi olgeta laikim diwai (We All Need Trees), by J. L. and M. K. Gressitt. 1975, 8p. K0.20; AU$0.30; US$0.40.

First Biennial Report, 1971-1973, 14p. illustr. K0.50; Au$0.55; US$0.75.

Second Biennial Report, 1974-1975, 14p. illustr. K0.50; Au$0.55; US$0.75.