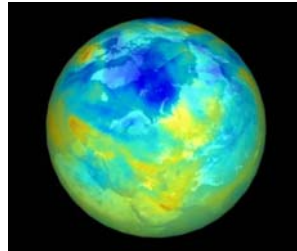


Glossary

High School Level

Living Environment Glossary

English / Malay



Translation of Living Environment terms based on the Coursework for Living Environment Grades 9 to 12.

Word-for-word glossaries are used for testing accommodations for ELL/LEP students





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Living Environment Glossary - High School Level

ENGLISH	MALAY
A	
abandon	meninggalkan
abbreviation	singkatan
ability	kemampuan, kebolehan
abiogenesis	abiogenesis
abiotic	abiotik
abiotic factor	faktor abiotik
abortion	pengguguran
absorption	penyerapan
accomplish	menyempurnakan, melaksanakan
according to	menurut
account	akaun
accumulate	berkumpul, bertimbun
accurate	tepat
acetylcholine	asetilkolina
acid	asid
acid rain	hujan asid
acidity	keasidan
acne	akne
acquire	memperoleh
acquired characteristics	sifat yang diperoleh
acquired immunity	keimunan yang diperoleh
acquired immunodeficiency syndrome (AIDS)	sindrom kurang daya tahan (AIDS)
acromegaly	akromegali
activation energy	tenaga pengaktifan
active immunity	keimunan aktif
active site	tapak aktif
active transport	angkutan aktif
activity	aktiviti
adaptation	penyesuaian, adaptasi
adaptive	mudah suai
adaptive radiation	penyebaran menyesuaikan
adaptive value	nilai penyesuaian
addiction	ketagihan/ penagihan
additional	tambahan
adenine	adenina
adenosine diphosphate (ADP)	adenosina difosfat (ADP)
adenosine monophosphate (AMP)	adenosina monofosfat (AMP)
adenosine triphosphate (ATP)	adenosina trifosfat (ATP)
adequate	mencukupi, memadai
adhesion	pelekatan, pelekapan
adipose tissue	tisu adipos
adolescence	keremajaan
adrenal cortex	korteks adrenal
adrenal gland	kelenjar adrenal
adrenal medulla	medula adrenal
adrenaline	adrenalina

Living Environment Glossary - High School Level

ENGLISH	MALAY
adrenocorticotrophic hormone (ACTH)	hormon adenokortikotropik
adsorption	jerapan
adult	dewasa
advantage	kelebihan, faedah
aerobe	aerob
aerobic	aerobik
aerobic respiration	respirasi aerob
aerosol	aerosol
afterbirth	uri
agar	agar-agar
agarose	agarosa
agglutination	pengaglutinatan
agglutinin	aglutinin
agglutininogen	aglutinogen
aging	penuaan
agricultural	pertanian
agriculture	pertanian
AIDS (acquired immunodeficiency syndrome)	AIDS (sindrom kurang daya tahan)
ailment	penyakit
air pollution	pencemaran udara
air sac	pundi udara
air space	ruang udara
albinism	albinisme, kebulaian
albino	albino
albumen	albumen
alcoholic fermentation	penapaian beralkohol
algae	alga
algal bloom	blum alga
alimentary canal	salur alimentari
alkaline	beralkali
all or none response	semua atau tiada gerak balas
allantois	alantois
allele (s)	alel
allergic	alah, alergi
allergic reactions	tindak balas alergi
allergy	alergi
alter (ed)	terubah
altered gene	gen terubah
alternation of generation	selangan generasi
alveolus	alveola, alveolus
ameba	ameba
amoeboid movement	pergerakan ameboid
amino acid (s)	asid amino
amino group	kumpulan amino
ammonia	ammonia
amniocentesis	amniosentesis
amnion	amnion

Living Environment Glossary - High School Level

ENGLISH	MALAY
amniotic fluid	bendalir amnion
amount	amaun,jumlah
amphibian	amfibia
amylase	amilase
anabolism	anabolisme
anaerobe	anaerob
anaerobic	anaerobik
analgesic	analgesik
analogous structure	struktur beranalog
anaphase	anafasa
anatomy	anatomi
androgen	androgen
anemia	anemia
angina pectoris	angina pektoris
animal	haiwan
ant	semut
antenna (e)	sesungut
anterior	anterior
anther	anter
antibiotic (s)	antibiotik
antibodies	antibodi
antibody	antibodi
anticodon	antikodon
antigen	antigen
antihistamine	antihistamina
antiseptics	antiseptik
antitoxin	antitoksin
anus	dubur
aorta	aorta
aortic arch	arka aorta
aphotic zone	zon afoto
Appearance	rupa
appendage	apendaj
appendicitis	apendisitis
appendix	apendiks
apply	guna
appropriate	sesuai
approval	kelulusan
aquaculture	akuakultur
aquarium	akuarium
aquatic	akua
arid	kersang
arrow	anak panah
arteriole	arteriol
artery	arteri
arthritis	arthritis
artificial selection	pilihan buatan

Living Environment Glossary - High School Level

ENGLISH	MALAY
asbestos	asbestos
ascending colon	kolon menaik
ascorbic acid	asid askorbik
asexual	aseks
asexual reproduction	pembiakan aseks
asexually	secara aseks
ash	abu
aspen	aspen
assembled	dihimpun, dipasang
assimilation	asimilasi
associate	bersekutu
association neuron	neuron sekutuan
assuming	menganggap, mengandai
assumption	andaian
aster	aster
asthma	asma
astigmatism	astigmatisme
atherosclerosis	aterosklerosis
athlete's foot	penyakit kaki makan air
atmosphere	atmosfera
atmospheric	suasana
atmospheric temperature	suhu atmosfera
atom	atom
atomic mass	jisim atom
atomic number	nombor atom
ATP (adenosine tri-phosphate)	adenosina trifosfat
atria	atria
atrium	atrium
attach	melampirkan
attack	serang
attempt	percubaan
auditory canal	salur pendengaran
auditory nerve	saraf pendengaran
auricle	aurikel
autoclave	autoklaf
automobile	automobil
autonomic nervous system	sistem saraf autonomi
autosome	autosom
autotroph	autotrof
autotrophic	autotrofik
autotrophic nutrition	pemakanan autotrof
auxin	auksin
availability	ketersediaan
available	boleh dapat, boleh sedia
axis	paksi
axon	akson

Living Environment Glossary - High School Level

ENGLISH	MALAY
B	
bacteria	bakteria
bacterial	bakteria
bacterial infections	infeksi bakteria
bacterial pneumonia	pneumonia bakteria
bacteriophage	bakteriofaj
bacterium	bakterium
balance	imbangan
balanced diet	diet seimbang
ball and socket joint	sendi lesung
bare	terdedah
bark	kulit kayu
barnacle	teritip
basal metabolic rate	kadar metabolisme asas
base	asas, dasar
base-pairing	pasangan bes
bass	bass
beak	paruh
bear	beruang
beaver	beaver
beetle	kumbang
behavior	kelakuan, tingkah laku
behavioral	tingkah laku
benedict's solution	larutan Benedict
benthos	bentos
beriberi	beriberi
bias	bias
bicarbonate	bikarbonat
biceps	biseps
bicuspid valve	injap bikuspid
bilateral symmetry	simetri bilateral
bile	hempedu
bile duct	duktus hempedu
bile pigment	pigmen hempedu
binary fission	belahan dedua
binomial nomenclature	tatanama binomial
biochemical processes	proses biokimia
biochemistry	biokimia
biodegradable	terbiodegradasikan
biodiversity	biodiversiti
biogenesis	biogenesis
biogeochemical cycle	kitaran biogeokimia
biological catalysis	pemangkin biologi
biological control	kawalan biologi
biological magnification	pembesaran biologi
biology	biologi
biomass	biojisim

Living Environment Glossary - High School Level

ENGLISH	MALAY
biome	biom
bioremediation	biopenyembuhan
biosphere	biosfera
biotechnological	bioteknologi
biotechnology	bioteknologi
biotic	biotik
biotic factor	faktor biota
birch	birch
birth canal	kanal lahir, salur lahir
birth control	kawalan kelahiran
birth rate	kadar kelahiran
biuret test	ujian biuret
bladder	pundi
blade	bilah
blastula	blastula
blending inheritance	pewarisan pengadunan
blind spot	bintik buta
blinking	berkedip-kedip
block	bongkah
blood	darah
blood cavity	rongga darah
blood circulation	peredaran darah
blood clotting	pembekuan darah
blood group	kumpulan darah
blood plasma	plasma darah
blood platelet	platelet darah
blood pressure	tekanan darah
blood smear	lumuran darah
blood sugar	gula darah
blood transfusion	transfusi darah
blood vessel	salur darah, pembuluh darah
boil	bisul, rebus
bond	ikatan
bone	tulang
bone marrow	sumsum tulang
booklet	buku kecil
botany	botani
Bowman's capsule	kapsul Bowman
brain	otak
brain stem	batang otak
bread mold	kulapuk
breathing	bernafas
breeding	membang
briefly	secara ringkas, sebentar
broccoli	brokoli
bronchitis	bronkitis
bronchus	bronkus

Living Environment Glossary - High School Level

ENGLISH	MALAY
bubble	gelembung, buih
bud	tunas
budding	penunasan
buffer	penimbal
bulb	bulba, bebawang
burn	bakar
C	
cabbage	kubis
calcium	kalsium
calcium carbonate	kalsium karbonat
calibrate	tentukur
calorie	kalori
calorimeter	kalorimeter
cancer	kanser, barah
canopy	kanopi
capacity	muatan
capillary	rerambut, kapilari
capillary action	tindakan rerambut
carbohydrate	karbohidrat
carbohydrate (s)	karbohidrat
carbon	karbon
carbon cycle	kitaran karbon
carbon dioxide	karbon dioksida
carbon fixation	pengikatan karbon
carbon monoxide	karbon monoksida
carbon-containing	mengandungi karbon
carboxyl group	kumpulan karboksil
carcinogen	karsinogen
cardiac muscle	otot kardium
cardiovascular disease	penyakit kardiovaskular
carnivore	karnivor
carnivorous	karnivor
carotene	karotena
carrier	pembawa
carrying capacity	daya muat membawa
cartilage	rawan
catabolism	katabolisme
catalase	katalase
catalyst	mangkin
caterpillar	beluncas
catfish	ikan duri, keli
cattail	ekor kencing
caudal fin	sirip kaudal
caudal vertebra	vertebra kaudal
caudatum	kaudatum
cauliflower	kubis bunga
cell	sel

Living Environment Glossary - High School Level

ENGLISH	MALAY
cell body	jasad sel
cell cycle	kitar sel
cell division	pembahagian sel
cell membrane	membran sel
cell plate	plat sel
cell respiration	respirasi sel
cell specialization	pengkhususan sel
cell theory	teori sel
cell wall	dinding sel
cell-mediated immunity	keimunan berperantaraan sel
cellular respiration	pernafasan bersel
cellulose	selulosa
Celsius	Celsius
Celsius scale	skala Celsius
centigrade	centigrade
centimeter	sentimeter
central nervous system	sistem saraf pusat
centrifuge	empar, pengempar
centriole	sentriol
centromere	sentromer
centrosome	sentrosom
cereal group	kumpulan bijirin
cerebellum	serebelum
cerebral cortex	korteks serebrum
cerebrospinal fluid	bendalir serebrospina
cerebrum	serebrum
certain	pasti
cervix	serviks
challenge	cabaran
chemical	bahan kimia
chemical bond	ikatan kimia
chemical equation	persamaan kimia
chemical formula	formula kimia
chemical reaction	tindak balas kimia
chemoautotroph	kemoautotrof
chemosynthesis	kemosintesis
chemotherapy	kemoterapi
chemotropism	kemotropisme
chicken pox	cacar air
chipmunk	tupai tanah
chitin	kitin
chlorine	klorin
chlorophyll	klorofil
chloroplast	kloroplas
cholera	kolera
cholesterol	kolesterol
chordate	kordat

Living Environment Glossary - High School Level

ENGLISH	MALAY
chorion	korion
chromatid	kromatid
chromatin	kromatin
chromatography	kromatografi
chromosomal alteration	perubahan kromosom
chromosomal recombination's	gabungan semula kromosom
chromosome	kromosom
chyme	kimus
cilia	silium
ciliary motion	pergerakan silium
circulation	peredaran
circulate	beredar
circulatory	peredaran
circulatory system	sistem peredaran
claim	tuntutan
class	kelas
classification	pengelasan
classify	mengelaskan
clawed	berkuku
cleavage	belahan
climate	iklim
climax community	komuniti kemuncak
climax	kemuncak
climax	kemuncak
clipping	potongan, pengeratan
clone	klon
cloning	pengklonan
close circulatory systems	sistem pengedaran tertutup
coacervate	koaservat
coal	batu arang
coarse adjustment	pelarasan kasar
coast	pinggir laut
coastal ocean	lautan pinggir laut
coastline	garis pantai
cocci	kokus
coccus	kokus
cockroach	lipas
cocoon	kokun
codominance	kodominan
codon	kodon
coenzyme	koenzim
coevolution	koevolusi
cohesion	kejeleketan
cohesive force	daya jeleket
collect	pungut, kumpul
collecting duct	duktus pengumpul
colloidal dispersion	penyebaran koloid

Living Environment Glossary - High School Level

ENGLISH	MALAY
colon	kolon
colony	koloni
color blindness	buta warna
coloration	pewarnaan
combat	pertempuran, kombat
combination	gabungan
commensalism	komensalisme
common	sepunya, biasa
common ancestor	seketurunan
common cold	selesema
communicable	dapat disampaikan
communication	komunikasi
community	komuniti
competition	persaingan, pertandingan
competitive exclusion principle	prinsip penyisihan saingan
complementary	saling melengkapi
complete protein	protein lengkap
complex multicellular	multisel kompleks
complexity	kekomplesan, kerumitan
compost	kompos
compound	majmuk,sebatian
compound eye	mata majmuk
compound light microscope	mikroskop cahaya majmuk
compound microscope	mikroskop majmuk
concentration	tumpuan
concentration gradient	kecerunan kepekatan
concept	konsep
conception	konsepsi
concerning	berkenaan
conclusion	kesimpulan
condensation	pemeluwapan
conditioned reflex	refleks terlazim
conditioning	pelaziman
conduct	alir, perlakuan
conduction	konduksi, pengaliran
cone	kon
conifer	konifer
coniferous	berkonifer
coniferous forest	hutan konifer
conjugation	konjugatan
connective tissue	tisu penghubung
conservation	pemuliharaan
conservation of environment	pemuliharaan alam sekitar
considered	dipertimbangkan
constipation	sembelit
construct	bina
consumer	pengguna

Living Environment Glossary - High School Level

ENGLISH	MALAY
contain	mengandungi
content	kandungan
contour farming	perladangan kontur
contour ploughing	pembajakan kontur
contraception	precegaan hamil
contractile vacuole	lompaang mengecut
contribute	menyumbang
control	mengawal
controlled experiment	uji kaji terkawal
controlled variable	pemboleh ubah terkawal
convergent evolution	evolusi tumpu
convert	tukar
convulsion	konvulsi
coordinating system	sistem penyelarasan
coordination	persetaraan, penyelarasan
coral	karang
coral reef	terumbu karang
coronary circulation	peredaran koronari
coronary artery	arteri koronari
corpus luteum	korpus luteum
cortex	korteks
cortisone	kortison
cotyledon	kotiledon
covalent bond	ikatan kovalen
cover	penutup
cover crop	tanaman penutup
coverslip	kaca penutup
Cowper's gland	kalenjar Cowper
Cranial nerve	saraf kranium
crayfish	udang krai
crescent	kresen, sabit
cretinism	kretinisme
cricket	cengkerik
crisp	rapuh
crop	tanaman
crop rotation	penggiliran tanaman
crop breeding	pembiakan tanaman
crop fertilization	persenyawaan
crop pollination	pendebungaan tanaman
crossing-over	pindah silang
crustacean	krustasea
cryptic coloration	pewarnaan kript
cultivated plant	tumbuhan tanaman
culture	kultur
currently	pada masa ini
cuticle	kutikel
cutting	potongan

Living Environment Glossary - High School Level

ENGLISH	MALAY
cycling	pengitaran
cyclonic	siklon
cysteine	sisteina
cytokinesis	sitokinesis
cytolysis	sitolisis
cyton	siton
cytoplasm	sitoplasma
cytoplasmic division	pembahagian sitoplasma
cytosine	sitosina
cytoskeleton	rangka sel, sitoskeleton
D	
damage	kerusakan
dangerous	mudarat
dark reaction	tindak balas gelap
Darwinism	Darwinisme
data	data
daughter cell	sel anak
deamination	pendeaminaan
decay	reputan, susutan
deciduous	meluruh
deciduous tree	pokok daun luruh
decomposer (s)	pengurai
decomposition	penguraian
decrease	merosot, menyusut
defecation	penyahtinjaan
defective	cacat, rosak
defective gene	gen cacat
deficiency disease	penyakit kurang zat
defoliation	peranggasan daun
deforestation	pembasmian hutan
degeneration	degenerasi, kemerosotan
dehydration	penyahhidratan
dehydration synthesis	sintesis penyahhidratan
dehydrogenase	dehidrogenase
deletion	pemotongan
demand	permintaan
demographic transition	peralihan demografi
demography	demografi
denaturation	penyahaslian
dendrite	dendrit
denitrification	pendenitratan
denitrifying bacteria	bakteria pendenitrat
density-dependent limiting factor	faktor pengehad bersandar ketumpatan
density-independent limiting factor	faktor pengehad tak bersandar ketumpatan
deoxyribonucleic acid (DNA)	asid deoksiribonukleik
deoxyribose	deoksiribosa
dependent variable	pemboleh ubah bersandar

Living Environment Glossary - High School Level

ENGLISH	MALAY
deplete	susut
depletion	kesusutan
depressant	depresan
dermis	dermis
desalination	penyahgaraman
desert	gurun
desertification	penggurunan
desirable	dikehendaki
destroy	memusnahkan
destruction	pemusnahan
detect	kesan
detection	pengesanan
determine	menentukan
detoxication	penyahtoksikan
detrimental	memudaratkan
detritus	detritus
development	pembangunan, perkembangan
deviation	sisihan
dextrose	dekstrosa
diabetes	diabetes
diagram	gambar rajah
dialysis	dialisis
diaphragm	diafragma
diarrhea	cirit-birit
diastole	diastole
diastolic pressure	tekanan diastole
diatom	berdiatom
dichotomous	dwibahagian
dichotomous key	kekunci dikotomi
died off	mati
diet	diet
differ	berbeza
differences	perbezaan
differentiation	pembezaan
diffusion	peresapan
digest	cerna
digestion	pencernaan
digestive enzyme	enzim pencernaan
digestive juices	jus pencernaan
digestive system	sistem pencernaan
dihybrid	dihybrid
dihybrid cross	kacukan dihibrid
dilation of blood vessel	pendilatan salur darah
dimorphism	dimorfisme
dinosaur	dinosaur
dioxide	dioksida
dipeptide	dipeptida

Living Environment Glossary - High School Level

ENGLISH	MALAY
diphtheria	difteria
diploid	diploid
direct harvesting	penuaian terus
direction	arah
directly	terus, secara langsung
disaccharide	disakarida
disadvantage	keburukan
disaster	bencana
discs	disk
disease	penyakit
disjunction	disjungsi
dislocation	kehelan
dispersal	penyebaran
disposal	pembuangan
dispose	lupus
disrupt	ganggu
dissecting microscope	mikroskop pembelahan
dissection	pembelahan
dissolve	larut
diuretic	diuretik
diurnal	diurnal
diversity	kepelbagaian
divide	bahagi
(DNA) deoxyribonucleic acid	asid deoksiribonukleik
DNA fingerprinting	pencapjarian DNA
DNA polymerase	polymerase DNA
dominance	kedominanan
dominant	dominan
dominant gene	gen dominan
dominant species	species dominan
dominant trait	trait dominan
dormancy	kedormanan
dorsal	dorsal
double fertilization	persenyawaan ganda dua
double helix	heliks ganda dua
Down's syndrome	sindrom Down
drainage	saliran
drilling	penggerudian
drone	dron
drosophila	drosophila
drug	ubat, dadah
drug abuse	salah guna dadah
drug dependence	kesandaran dadah
drug overdose	dos dadah berlebihan
duckweed	kiambang
ductless gland	kelenjar tanpa duktus
dump	longgok

Living Environment Glossary - High School Level

ENGLISH	MALAY
duodenum	duodenum
dwarfism	kekerdilan
dynamic	dinamik
dynamic equilibrium	keseimbangan dinamik
dysentery	berak darah, disenteri
E	
eagle	helang
ear	telinga
ear canal	kanal telinga
eardrum	gendang telinga
earthworm	cacing tanah
echinoderm	ekinoderma
ecological	ekologi
ecological niche (s)	kaya ekologi
ecological pyramid	piramid ekologi
ecological succession	sesaran ekologi
ecologically	secara ekologi
ecology	ekologi
economically	secara ekonomi
ecosystem	ekosistem
ecosystem diversity	kepelbagaian ekosistem
ectoderm	ektoderma
edema	edema
effective	berkesan
effectiveness	keberkesanan
effector	pengesan efektor
egg	telur
ejection	lecitan
elbow joint	sendi siku
electrocardiogram (EGG) or (EKG)	elektrokardiogram
electron	elektron
electron microscope	mikroskop elektron
electronic balance	keseimbangan elektronik
electrophoresis	elektroforesis
element	unsur
elephantiasis	elefantiasis
eliminate	menyingkirkan
elongation region	kawasan pemanjangan
elongation zone	zon pemanjangan
embolism	embolisme
embolus	embolus
embryo	embrio
embryo sac	pundi embrio
embryology	embriologi
embryonic	embrionik
embryonic membrane	membran embrio
emigration	emigrasi

Living Environment Glossary - High School Level

ENGLISH	MALAY
emit	mengeluarkan, memancar
emphysema	emfisema
emulsification	pengemulsian
enable	pemboleh
enamel	enamel
end product	hasil akhir
endangered species	spesies terancam
endemic	endemik
endocrine gland(s)	kelenjar endokrin
endocrine system	sistem endokrin
endocrinology	endokrinologi
endocytosis	endositosis
endoderm	endoderm
endoparasite	endoparasit
endoplasmic	endoplasma
endoskeleton	rangka dalam
endosperm	endosperma
endosperm nucleus	nucleus endosperma
energy flow	aliran tenaga
energy pyramid	piramid tenaga
engineering	kejuruteraan
engulf	melingkungi
enlist	masuk
enrich	perkaya
environment	alam sekitar
environmental	persekitaran
environmental impact statement	pernyataan kesan alam sekitar
enzyme(s)	enzim
enzyme-substrate complex	kompleks enzim-substrat
epicotyl	epikotil
epidemic	epidemik, wabak
epidermis	epidermis
epididymis	epididimis
epiglottis	epiglotis
epinephrine (adrenaline)	epinefrina (adrenalina)
epithelium	epitelium
equatorial plane	satah khatulistiwa
equatorial plate	plat khatulistiwa
equilibrium	keseimbangan
era	era
erect posture	postur tegak
erosion	hakisan
error	ralat
Escherichia coli (e. coli)	Escherichia coli
esophagus	esofagus
essential amino acid	asid amino perlu
estrogen	estrogen

Living Environment Glossary - High School Level

ENGLISH	MALAY
estuary	muara
ethyl alcohol	etil alkohol
euglena	euglena
eukaryote	eukariot
eukaryotic cell	sel eukariot
Eustachian tube	tiub Eustachio
evaporate	sejat
evaporation	penyejatan
evidence	bukti
evolution	evolusi
evolutionary	evolusi
evolve	ubah ansur
examination	peperiksaan, pemeriksaan
except	kecuali
excess	lebih
excessive	berlebihan
excretion	perkumuhan
excretory	kumuhan
exercise	latihan
exhalation	penghembusan
exhale	hembus
exhaust	ekzos
exhibit	ekshibit
exist(s)	wujud
exocrine gland	kelenjar eksokrin
exon	ekson
exoskeleton	exoskeleton
experiment	eksperimen
expiration	ekspirasi
explanation	penjelasan
explosive	mudah letup
exponential growth	pertumbuhan eksponen
expose(d)	terdedah
expressed	menyatakan
expression	ekspresi, air muka
extensor	ekstensor
extent	keluasan
external	eksternal, luar
external fertilization	persenyawaan luar
external respiration	respirasi luar
extinct	pupus
extinction	kepupusan
extinction of fauna	kepupusan fauna
extracellular digestion	pencernaan luar
extract	cabutan
eye	mata
eyepiece (ocular)	kanta mata

Living Environment Glossary - High School Level

ENGLISH	MALAY
F	
facilitated diffusion	peresapan berkemudahan
Fahrenheit scale	skala Fahrenheit
fallopian tube (oviduct)	tiub fallopio
fallout	guguran, luruhan
family	keluarga
fangs	gigi taring
farsightedness	nampak jauh
fat	gemuk, lemak
fatal	membawa maut
fatigue	lesu
fatty acid	asid lemak
feather	bulu pelepah
feces	tinja
feedback	maklum balas
feedback mechanism	mekanisme maklum balas
female gamete	gamet betina
female reproductive system	sistem pembiakan betina
femur	femur
fermentation	penapaian
fern	pakis
fertilization	persenyawaan, pembajaan
fertilizer(s)	baja
fetal	fetus
fetal alcohol syndrome	sindrom alkohol fetus
fetus	fetus
fever	demam
fewer	sedikit
fiber	fiber
fibrin	fibrin
fibrinogen	fibrinogen
fibrous root system	sistem akar serabut
field	kawasan, medan, bidang
field of microscope	medan mikroskop
filament	filamen
filter out	turas keluar
filtered	dituras
filtrate	turasan
filtration	penurasan
fin	fin
finches	ciak
fine adjustment	pelarasan halus
fingerprinting	pencapjarian
finite	terhingga
firm	kukuh
first filial generation	generasi filial pertama
first-level consumer	pengguna tingkat pertama

Living Environment Glossary - High School Level

ENGLISH	MALAY
fission	pembelahan
flagella	flagela
flagellum	flagelum
flatworm	cacing pipih
flea	pinjal
flexor	fleksor
flipper of whale	kaki sirip ikan paus
florescence	kefloresenan
flow	aliran
flow of energy	aliran tenaga
flower	bunga
fluid	bendalir
fluke	fluk
fluoridation	pemfluoridaan
fluoride	fluorida
folic acid	folik asid
follicle	folikel
follicle stimulating hormone (FSH)	hormon perangsang folikel
food allergen	alergen makanan
food chain	rantai makanan
food poisoning	keracunan makanan
food pyramid	piramid makanan
food vacuole	vakuol makanan
food web	jaringan makanan
forceps	forseps
forest conservation	pemuliharaan hutan
form	bentuk
formation	pembentukan
formula	formula
fossil	fosil
fossil fuel	bahan api fosil
fossil record	rekod fosil
four o'clock flower	bunga seroja
fracture	fraktur
fragment	serpihan
fraternal twin	kembar fraternal
freeze drying	kering sejuk beku
frequently	kerap
freshwater	air tawar
fructose	fruktosa
fruit	buah
fruit fly	lalat buah
fumes	wasap
fungi	kulat
fungus	kulat
fur	Bulu

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ENGLISH	MALAY
G	
galactose	galaktosa
galactosemia	galaktosemia
gall bladder	pundi hempedu
gallon	gelen
gallstone	batu hempedu
gamete	gamet
gametogenesis	gametogenesis
gamma globulin	globulin gama
ganglion	ganglion
gas exchange	pertukaran gas
gaseous exchange	pertukaran gas
gasoline	gasolin
gastric	gaster
gastric juice	jus gaster
gastro vascular cavity	rongga gastrovaskular
gastrula	gastrula
gastrulation	penggastrulaan
gel electrophoresis	elektroforesis gel
gene	gen
gene expression	ekspresi gen
gene frequency	frekuensi gen
gene linkage	rangkaian gen
gene mutation	mutasi gen
gene	gen
gene(s)	gen
generalization	generalisasi, penyeluruhan
genetic	genetik
genetic counseling	kaunseling genetik
genetic disease	penyakit genetik
genetic diversity	kepelbagaian genetik
genetic engineering	kejuruteraan genetik
genetic marker	penanda genetik
genetic recombination	gabungan semula genetik
genetic variation	variasi genetik
genetically	secara genetik
genetics	genetik
genome	genom
genotype	genotip
genus	genus
geographic isolation	pemencilan geografi
geologic time scale	skala masa geologi
geotropism	geotropisme
germ theory of disease	teori kuman
German measles	penyakit campak Jerman, rubela
germination	percambahan
gestation period	tempoh gestasi

Living Environment Glossary - High School Level

ENGLISH	MALAY
GH (growth hormone)	hormon pertumbuhan
gigantism	keraksasaan
gibberellin	giberelin
gill	insang
gizzard	hempedal
gland	kelenjar
global warming	pemanasan global
glomerulus	glomerulus
glucagon	glukagon
glucose	glukosa
glycerol	gliserol
glycine	glisina
glycogen	glukogen
glycolysis	glikolisis
gaiter	patis
Golgi body (apparatus)	jasad Golgi
gonad	gonad
gonadotropin	gonadotrofin
gonorrhoea	gonorea
gorilla	gorila
gout	gout
gradualism	keberansuran, gradualisme
graduated cylinder	silinder bersengkat
grafting	pencantuman
gram	gram
grana	grana
graph	graf
grasshopper	belalang
grassland	padang rumput
gray matter	jirim kelabu
green algae	alga hijau
green revolution	revolusi hijau
greenhouse effect	kesan rumah hijau
greenhouse gas	gas rumah hijau
grid	grid
growth	pertumbuhan
guanine	guanina
guard cell(s)	sel pengawal
gullet	gulet
gymnosperm	gimnosperma
gypsy moth	rama-rama gipsi
H	
habit	tabiat
habitat	habitat
habitat fragmentation	pemecahan habitat
hair follicle	folikel rambut
half-life	separuh hayat

Living Environment Glossary - High School Level

ENGLISH	MALAY
haploid (monoploid)	haploid (monoploid)
Hardy Weinberg law	hukum Hardy Weinberg
harm	merosakkan
harmful	berbahaya
harmless	tidak berbahaya
harvesting	penuaian
hatching	penetasan
Haversian canal	salur Havers
hay	rumput kering
hay fever	demam jerami
heart	jantung
heart attack	serangan sakit jantung
heart transplant	pemindahan jantung
heart-lung machine	mesin jantung paru-paru
heart beat cycle	kitaran denyutan jantung
helix	heliks
hemoglobin	hemoglobin
hemolysis	hemolisis
hemophilia	hemofilia
heparin	heparin
hepatic artery	arteri hepatik
hepatic portal circulation	peredaran portal hepatik
herb	herba
herbivore(s)	herbivor
hereditary	keturunan, kebakaan
heredity	keturunan
hermaphrodite	hermafrodit, khunsa
heterotroph	heterotrof
heterotroph hypothesis	hipotesis heterotrof
heterotrophic	heterotrofik
heterotrophic nutrition	nutrisi heterotof
heterotrophs	heterotrof
heterozygous	heterozigot
heterozygous genotype	genotip heterozigot
hibernation	penghibernatan
high blood pressure	tekanan darah tinggi
high energy bond	ikatan bertenaga tinggi
hindbrain	otak belakang
hip joint	sendi pinggul
histamine	histamina
histidine	histidina
histology	histologi
histone	histon
homeostasis	homeostasis
homeowner	pemilik rumah
hominid	hominid
homo sapiens	homo sapiens

Living Environment Glossary - High School Level

ENGLISH	MALAY
homologous chromosome	kromosom berhomolog
homologous structure	struktur berhemolog
homozygous	homozigot
homozygous genotype	genotip homozigot
hoofed animal	haiwan berkuku
hookworm	cacing kerawit
hormone	hormon
host	perumah
hot	panas
hot water bath	mandi air panas
huge	amat besar
hull	badan kapal
humerus	humerus
humidity	kelembapan
hummingbird	burung madu
humoral immunity	keimunan humor
humus	humus
hunting	memburu
hybrid	hibrid
hybrid vigor	kecergasan hibrid
hybridization	penghibridan
hydra	hidra
hydrocarbon	hidrakarbon
hydrochloric acid	asid hidrokolik
hydrogen acceptor	penerima hidrokolik
hydrolysis	hidrolisis
hydroponics	hidroponik
hydrotropism	hidrotropisme
hyper parasitism	hiperparasitisme
hypertension	hipertensi
hyperthyroidism	hipertiroidisme
hypertonic solution	larutan hipertonik
hypocotyl	hipokotil
hypo secretion	penghiporembesan
hypothalamus	hipotalamus
hypothesis	hipotesis
hypothyroidism	hipotiroidisme
hypotonic solution	larutan hipotonik
I	
ibuprofen	ibuprofen
ICF (intercellular fluid)	bendalir antara sel
identical	seiras
identical twin	kembar seiras
identity	identiti
ileum	ileum
illustrate	menggambarkan
immigration	imigrasi

Living Environment Glossary - High School Level

ENGLISH	MALAY
immune	imun
immune response	gerak balas imun
immune system	sistem imun
immunity	keimunan
inorganic	tak organik
immunization	pengimunan
impact	impak
implantation	penempelan
import	import
importation	pengimportan
imprint	kesan
impulse	impuls
in vitro fertilization	persenyawaan in vitro
inappropriate	tidak sesuai
inborn immunity	imuniti bawaan
inbreeding	pembiakbakaan dalam
incidence	insidens
incisors	kacip, Insisor
include	termasuk
incomplete dominance	dominan tak lengkap
incomplete protein	protein tak lengkap
increase	tambah
incubation period	tempoh pengeraman
independent (manipulated) variable	pemboleh ubah tak bersandar (dimanipulasikan)
independent assortment	pengasingan tak bersandar
index fossil	fosil indeks
indicate	tunjuk
indicator	penunjuk
individual	individu
industrial hazard	bahaya industri
industrial melanism	melanisme industri
industrialization	pengindustrian
infantile paralysis	lumpuh bayi
infection	infeksi, jangkitan
infectious	berjangkit
infer	infer
inference	inferens
inferior vena cava	inferior vena cava
infinite	tak terhingga
inflammation	keradangan
Inflammatory response	gerak balas keradangan
influence	pengaruh
ingestion	pengingesan
inhibition center	pusat perencatan
inhalation	penyedutan
inherit	mewarisi
inheritance	warisan, pewarisan

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ENGLISH	MALAY
innate behavior	tingkah laku sejadi
inorganic compound	sebatian tak organik
insect	serangga
insecticide(s)	insektisid, racun serangga
insectivorous plant	tumbuhan insektivor
insert	selit, sisip
Inspect	memeriksa
inspiration	inspirasi
instinct	naluri
insulin	insulin
interaction	interaksi
interbreed(ing)	saling biak baka
Intercellular fluid	bendalir antara sel
interference	gangguan, interferens
interferon	interferon
internal development	pembangunan dalaman
internal fertilization	persenyawaan dalaman
internally	secara dalaman
interneuron	interneuron
interphase	antara fasa
interspecific competition	persaingan antara spesies
intestinal juice	lelehan usus
intestine	usus
intracellular digestion	pencernaan intrasel
introduce	suai kenal
intron	intron
invasion	invasi
invasive species	spesies invasif
inversion	penyongsangan
invertebrate	invertebrat
investigation	penyiasatan
involuntary muscle	otot luar kawal
involve(ing)	melibatkan
iodine	iodin
ion	ion
ionic bond	ikatan ion
iron	besi
irradiation	penyinaran
irritability	keteriritasian, kerengsaan
islet of Langerhans	kelompok Langerhans
isolated	terpencil
isotonic solution	larutan isoton
isotope	isotop
J	
jellyfish	ubur-ubur
joint	sendi
juvenile hormone	hormon juvenil

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ENGLISH	MALAY
K	
karyotype	kariotip
karyotyping	kariotiping
kelp forest	hutan kelpa
keratin	keratin
kernels	inti
kidney	ginjal
kinetic energy	tenaga kinetik
kingdom(s)	alam
Klinefelter's syndrome	sindrom Klinefelter
knee joint	sendi lutut
knee-jerk reflex	refleks lutut
knowledge	pengetahuan
L	
labor	buruh
laboratory	makmal
labyrinth	labirin
lack	kekurangan
lactase	laktase
lacteal	lakteal
lactic acid	asid laktik
lactose	laktosa
ladybug	kumbang kura-kura
lake	tasik
Lamarckism	Lamarckisme
lamella	lamela
lancet	lancet
landfill	kambus tanah
large intestine	usus besar
larva	larva
larynx	larinks
latitude	latitud, garis lintang
law of dominance	hukum dominans
law of independent assortment	hukuman pengasingan bebas
law of segregation	hukum segregasi
law of use and disuse	hukum guna dan jarang guna
laxative	laksatif, julap
layering	perlapisan
loop of Henle	gelung Henle
leaf sheath	upih daun
leaflet	risalah
leaks	bocor
learning	pembelajaran
least	terkecil
legume	kekacang, legum
leguminous plant	tanaman kekacang
lens	kanta

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ENGLISH	MALAY
leopard	harimau bintang
leucine	leusina
leukemia	leukemia
leukocyte	leukosit
lichen(s)	liken
life cycle	kitar hayat
lifespan	jangka hidup, jangka hayat
ligament	ligamen
light microscope	mikroskop cahaya
light-dependent reaction	tindak balas bersandar cahaya
lily	bunga lili
limestone	batu kapur
limit	had
limiting factor(s)	faktor pengehad
limiting nutrient	nutrien pengehad
litmus paper	kertas litmus
linked gene	gen terikat
lipase	lipase
lipid	lipid
lipid bilayer	dwilapisan lipid
lithosphere	litosfera
liver	hati
livestock	ternakan
lizard	cicak
lobster	udang karang
lock	kunci
lockjaw	kancing gigi
locomotion	gerak alih
log	log, balak
logging	pembalakan
logistic growth	pertumbuhan logistik
longitudinal muscle	otot membujur
louse	kutu
lubricating oil	minyak pelincir
luminescent	pendarkilau
lung	paru-paru
Luteinizing hormone (LH)	hormon peluteinan
lymph	limfa
lymph gland	kelenjar limfa
lymph node	nodus limfa
lymph vessel	salur limfa
lymphatic system	sistem limfa
lymphocyte	limfosit
lysosome	lisosom

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ENGLISH	MALAY
M	
macroevolution	makroevolusi
macromolecule	makromolekul
maggot	berenga
magnification	pembesaran
maintaining	menyelenggara
malaria	malaria
malathion	malation
malfunction	malfungsi, pincang tugas
malignant	malignan
malnutrition	malnutrisi, kekurangan zat makanan
maltase	maltase
maltose	maltosa
mammal(s)	mammal
mammary gland	kelenjar mama
manage	urus
manageable	boleh urus
mane	surai
manipulated (independent) variable	pemboleh ubah dimanipulasikan (tak bersandar)
manufacturing	pembuatan
marine	marin
marine biome	biom marin
marrow	sumsum
marsupial	marsupium
mass	massa
mass extinction	kepunahan besar-besaran
mass number	nombor jisim
mate	mengawan
material	bahan
maternal immunity	keimunan ibu
melting	leburan
measles	campak
measurement	ukuran, sukatan
mechanism	mekanisme
medulla oblongata	medula oblongata
meiosis	meiosis
melanin	melanin
melanocyte cell	sel melanosit
melt(ing)	melebur
membrane	membran, selaput
Mendelism	mendelisme
meninges	meninges
meningitis	meningitis
meniscus	meniskus
menopause	menopaus, putus haid
menstrual cycle	kitaran haid
menstruation	haid

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ENGLISH	MALAY
mention	sebutan
mesentery	mesenterri
mesoderm	mesoderma
mesophyll	mesofil
mesophyte	mesofit
messenger RNA (mRNA)	RNA pengutus
metabolic	metabolik
metabolic waste	sisia metabolik
metabolism	metabolisme
metal	logam
metamorphic rock	batuan metamorf
metaphase	metafasa
metastasis	metastasis
method	kaedah
methylene blue	metilena biru
metric ruler	pembaris metrik
metric system	sistem metrik
microbe(s)	mikrob
microclimate	mikroiklim
micro dissection	mikrobedahan
microfilament	mikrofilamen
micrometer	mikrometer
micronucleus	mikronukleus
microorganism	mikroorganisma
microscope	mikroskop
microscopic	mikroskopik
microtubule	mikrotubul
midbrain	otak tengah
migration	migrasi, perhijrahan
milk	susu
milk tooth	gigi susu
milligram	miligram
milliliter	mililiter
millimeter	milimeter
mimicry	kemimikan
mineral	mineral
mitochondria	mitokondria
mitochondrion	mitokondrion
mitosis	mitosis
mitotic cell division	pembahagian sel mitotik
mixture	campuran
model	model
modification	ubah suaian
molar	molar
mold	acuan
molecular	molekul
molecular formula	formula molekul

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ENGLISH	MALAY
molecule(s)	molekul
Mollusca	Mollusca
mollusk	moluska
Monera	Monera
monocotyledon	monokotiledon
monocycle	monokitar
monohybrid cross	kacukan monohibrid
monomer	monomer
monoploid	monoploid
monosaccharide	monosakarida
monoxide	monoksida
morphine	morfina
morphology	morfologi
mortality	kematian, mortaliti
morula	morula
mosaic	mozek
mosquito	nyamuk
moss(es)	lumut
moth	rama-rama
motile	motil
motility	kemotilan
motor nerve	saraf motor
motor neuron	neuron motor
movement	pergerakan
mucous membrane	membran mukus
mucus	mukus
multicellular	multicellular
multiple allele(s)	alel multisel
multiple birth	kelahiran berbilang
multiple-gene inheritance	pewarisan gen berbilang
multiple	berganda
multiply	darab
mumps	beguk
muscle	otot
muscle contraction	pengecutan otot
muscle fatigue	kelesuan otot
muscular	berotot
muscular system	sistem otot
mushroom	cendawan
mussel	siput sudu, kupang
mutagen	mutagen
mutagenic agent	agen mutagen
mutant	mutan
mutate(d)	termutasi
mutation	mutasi
mutualism	kesalingan
mycelia	miselium

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ENGLISH	MALAY
mycelium	miselium
myelin sheath	salut mielin
myofibril	miofibril
myopia	miopia
N	
narcotic drug	dadah narkotik
nasal cavity	rongga hidung
natural immunity	keimunan semula jadi
natural selection	pemilihan semula jadi
naturally	secara semula jadi
nature and nurture controversy	kontroversi alamiah dan asuhan
nearby	berhampiran
nearsightedness	penglihatan dekat
nectar	nektar
negative feedback	maklum balas negatif
negative	negatif
nematode	nematod
nephron	nefron
nerve	saraf
nerve cell (neuron)	sel saraf
nerve cord	korda saraf
nerve fiber	fiber saraf
nerve impulse	impuls saraf
nerve net	jaring saraf
nervous system	siste plat saraf m saraf
neural plate	plat saraf
neurohormone (neurotransmitter)	neurohormon
neuromuscular junction	simpang neurootot
neuron	neuron
neurotransmitter	neurotransmitter
neutral	neutral
neutralization	penutralan
neutron	neutron
niche(s)	ceruk
nicotine	nikotin
night blindness	rabun malam
nitrification	nitrification
nitrifying bacteria	bakteria penitritan
nitrogen cycle	kitaran nitrogen
nitrogen fixation	pengikatan nitrogen
nitrogen-fixing bacteria	bakteria pengikat nitrogen
nitrogenous	bernitrogen
nitrogenous waste	sisanya bernitrogen
nocturnal	malaman
node	nodus
nodule	bintil, nodul
noise pollution	pencemaran bunyi

Living Environment Glossary - High School Level

ENGLISH	MALAY
non-communicable	tidak berjangkit
nondisjunction	ketakterpisahan
no placental mammal	mamalia tidak berplasenta
nonrenewable resources	sumber tak boleh baharui
nonvascular plant	tumbuhan bukan vaskular
noradrenaline	noradrenalina
nostril	lubang hidung
notochord	notokord
nourish	menyuburkan
nuclear fuel	bahan api nuklear
nuclear membrane (envelope)	membran nukleus
nuclei	nukleus
nucleic acids	asid nukleik
nucleoli	nukleolus
nucleolus	nucleolus
nucleotide	nukleotida
nurture	nurture
numerous	banyak
nutrient(s)	nutrien
nutrition	pemakanan
nutritional	pemakanan
nymph	nimfa
O	
objective	objektif
observation	pemerhatian
observe	perhati
obtain	peroleh
occasionally	sekali-sekali
occur	berlaku
octopus	kurita
ocular	okular
official	rasmi
offset	ofset
offspring	anak
olfaction	olfaksi, penghiduan
olfactory bulb	bebawang olfaktori
olfactory cell	sel olfaktori
omnivore	omnivor
oncogene	onkogen
one gene-one polypeptide hypothesis	hipotesis satu gen satu polipeptida
ontogeny	ontogeni
oocyst	oosista
oosit	oosit
oogenesis	oogenesis
open circulatory system	sistem peredaran terbuka
operon	operon
opinion	pendapat

Living Environment Glossary - High School Level

ENGLISH	MALAY
opium	opium, candu
opossum	oposum
opportunity	peluang
optic nerve	saraf optik
optical microscope	mikroskop optik
optimum	optimum
order	giliran, aturan
organ	organ
organ system	sistem organ
organelle(s)	organel
organic	organik
organic acid	asid organik
organic compound	sebatian organik
organism	organisma
osmosis	osmosis
osmotic potential	keupayaan osmosis
osmotic pressure	tekanan osmosis
ossification	pengosan
osteoarthritis	osteoarthritis
osteoblast	osteoblas
osteocyte	osteosit
osteology	osteologi
osteoporosis	osteoporosis
outbreeding	pembiakbakaan luar
ova	ovum
ovaries	ovari
ovary	ovari
overall	keseluruhan
overfishing	penangkapan ikan berlebihan
overgraze	ragutan berlebihan
overproduction	pengeluaran berlebihan
oviduct	oviduktus
oviparity	ovipariti
oviparous	oviparous
ovulation	pengovulan
ovule	ovul
ovum	ovum
oxidation	pengoksidaan
oxygen consumption	penggunaan oksigen
oxygen cycle	kitar oksigen
oxygen-carbon dioxide cycle	kitar oksigen-karbon dioksida
oxyhemoglobin	oksihemoglobin
oyster	tiram
ozone	ozon
ozone layer	lapisan ozon
ozone shield	perisai ozon

Living Environment Glossary - High School Level

ENGLISH	MALAY
P	
pacemaker	perentak
paired	dipasangkan
Paleozoic	Paleozoik
palisade mesophyll	mesofil palisad
pancreas	pankreas
pancreatic duct	duktus pankreas
pancreatic juice	jus pankreas
paramecium	paramesium
parasite	parasit
parasitic relationship	perhubungan parasit
parasitism	parasitisme
parasympathetic nervous system (PNS)	sistem saraf parasimpatetik
parathyroid hormone	hormon paratiroid
parent cell	sel induk
parent generation	penjanaan induk
parental care	jagaan ibu bapa
parietal lobe	lobus parietal
parrot	kakak tua
Parthenogenesis	partenogenesis
partial	separa
particular	tertentu
passive immunity	imuniti pasif
passive transport	angkutan pasif
pasteurization	pempasteuran
patella	patela
pathogen(s)	patogen
pathogenic	patogenik
peat	gambut
pedigree	pedigri
pedigree chart	carta pedigri
peer review	kajian semula setara
pellagra	pelagra
pelvis	pelvis
penicillin	penisilin
penis	penis
pepsin	pepsin
peptic ulcer	ulser peptik
peptidase	peptidase
peptide bond	ikatan peptida
percentage	peratusan
perennial	perenial
perform	melakukan
pericardium	perikardium
period	tempoh
peripheral nervous system	sistem saraf periferi
peristalsis	peristalsis

Living Environment Glossary - High School Level

ENGLISH	MALAY
permafrost	ibun abadi
permeable	telap
permit	permit
perspiration	perspirasi
pest	perosak
pesticide(s)	pestisid
petal	ranggi, kelopak
petri dish	piring petri
petrification	pembatuan
pH indicator	penunjuk PH
pH scale	skala PH
phagocyte	fagosit
phagocytosis	fagositosis
pharynx	farinks
phase contrast microscope	mikroskop beza jelas fasa
phenol	fenol
phenotype	fenotip
phenylalanine	fenilalanina
phenylketonuria(PKU)	fenilketonuria
pheromone	feromon
phloem	floem
phosphate	fosfat
phospholipid	fosfolipid
phosphorus	fosforus
phosphorylation	pemfosforilan
photic zone	zon foto
photolysis	fotolisis
photon	foton
photosynthesis	fotosintesis
phototropism	fototropisme
phylum	filum
physical	fizikal
physiology	fisiologi
physiotherapy	fisioterapi
phytoplankton	fitoplankton
pigment	pigmen
pill	pil
pimple	jerawat
pineal	pineal
pineal body	jasad pineal
pinocytosis	pinositosis
pioneer	perintis
pioneer species	spesies perintis
pistil	pistil
pituitary dwarfism	kekerdilan pituitari
pituitary gland	kelenjar pituitari
placenta	plasenta

Living Environment Glossary - High School Level

ENGLISH	MALAY
placental mammal	mamalia beruri
placental membranes	membran plasenta
plague	wabak
plankton	plankton
plant	tumbuhan
plasma	plasma
plasma membrane	membran plasma
plasmid	plasmid
plasmolysis	plasmolisis
plastid	plastid
platelet	platelet
Platyhelminthes	platihelminthes
pleura	pleuron, pleura
pleural cavity	rongga pleura
plexus	pleksus
pneumonia	pneumonia
poaching	pemburuan haram
point mutation	mutasi titik
poisonous	beracun
polar zone	zon berkutub
pole	kutub
polio	polio
pollen grain	butir debunga
pollen tube	tiub debunga
pollination	pendebungaan
pollutant	pencemar
pollution	pencemaran
polygenic	poligen
polygenic traits	trait poligen
polymer	polimer
polymerase chain reaction(PCR)	reaksi rantai polimerase
polymorphism	polimorfisme
polyp	polip
polypeptide	polipeptida
polyploidy	poliploidi
polysaccharide	polisakarida
pond	kolam
population	populasi
population density	kepadatan populasi
population genetics	genetik populasi
positive feedback	maklum balas positif
posterior	posterior
potential	keupayaan, potensi
pouched mammal	mamalia kendong
precipitation	mendakan
predation	pemangsaan
predator	pemangsa

Living Environment Glossary - High School Level

ENGLISH	MALAY
predator-prey relationship	hubungan pemangsa-mangsa
predatory	pemangsa
predict	meramal
prediction	ramalan
pregnancy	kehamilan
premature birth	kelahiran pramatang
prepare	menyediakan
present-day	masa kini
preserve	awet
prevent	cegah
prevention	pencegahan
prey	mangsa
primarily	terutamanya
primary consumer	pengguna primer
primary productivity	daya pengeluaran primer
primary root	akar primer
primary succession	sesaran primer
primate	primat
probability	kebarangkalian
procedure	tatacara
process	proses
producer	pengeluar
product	produk
progesterone	progesteron
prohibit	cegah
prokaryote	prokariot
promoter	penggalak
property	harta
prophase	profasa
proportion	perkadaran
proposal	cadangan
prostaglandin	prostaglandin
prostate gland	kelenjar prostat
protease	protease
protect	lindung
protein	protein
prothrombin	protrombin
proton	proton
protoplasm	protoplasma
protozoan	protozoan
provide(d)	menyediakan, disediakan
pseudopod	pseudopod
psychosis	psikosis
ptyalin	ptialin
puberty	baligh
pulmonary artery	arteri pulmonari
pulmonary circulation	peredaran pulmonari

Living Environment Glossary - High School Level

ENGLISH	MALAY
pulmonary vein	vena pulmonari
pulp	pulpa
pulse	denyut
punctuated equilibrium	keseimbangan selang
pupa	pupa
pupil	pupil
pure	tulen
pure dominant	dominan tulen
pure recessive	resesif tulen
purine	purina
purple	ungu
pus	nanah
pyloric sphincter	sfinkter pilorus
pyramid	piramid
pyramid of biomass	piramid biojisim
pyramid of energy	piramid tenaga
pyrimidine	pirimidina
pyruvic acid	asid piruvik
Q	
qualitative	kualitatif
quality	kualiti
quantitative	kuantitatif
quarantine	kuarantin
quinine	kuinin
quotation	petikan
R	
radial symmetry	simetri jejari
radiant energy	tenaga sinaran
radiation	sinaran
radiation	sinaran
radicle	radikel
radioactive	radioaktif
radioactive dating	penarikan radioaktif
radioactive element	unsur radioaktif
radio-carbon method	kaedah radiokarbon
radiotherapy	radioterapi
radius	radius
ragweed	ragweed
random	rawak
rapidly	cepat
reabsorption	serapan semula
reactant	zat tindak balas
reaction rate	kadar tindak balas
recently	baru-baru ini
receptacle	penyangga
receptor	penerima, reseptor
receptor molecule(s)	molekul penerima

Living Environment Glossary - High School Level

ENGLISH	MALAY
recessive	resesif
recessive gene	gen resesif
recombinant DNA	DNA rekombinan
recombination	gabungan semula, rekombinasi
recombination gamete	gamet rekombinasi
record	rekod
recover	pulih
rectum	rektum
recycle	kitar semula
recycling	mengitar semula
red blood cell	sel darah merah
red corpuscle (red blood cell)	korpuskel merah
reduced	dikurangkan
reduction	reduction
reduction division (meiosis)	pembahagian penurunan (meiosis)
reflex	refleks
reflex arc	arka refleks
reflex center	pusat refleks
reforestation	penghutanan semula
refractory period	tempoh refraktori
refute	nafi
regeneration	penjanaan semula
regular	regular
regulated	teratur
regulation	peraturan
related	terhubung
relationship	perhubungan
relative dating	pentarikhan relatif
release	pelepasan
reliable	boleh percaya
rely on	bergantung pada
remain	tinggal
remote	terpencil
renal artery	arteri ginjal
renal circulation	peredaran ginjal
renal portal vein	vena portal renal
renal vein	vena ginjal
renewable	boleh baharu
renewable resource(s)	sumber boleh diperbaharu
rennin	renin
replicate	replikat
replication	replikasi
represent	mewakili
reproduce	membangkitkan
reproduction	pembangkitan
reproductive isolation	pemencilan pembangkitan
reptile	reptilia

Living Environment Glossary - High School Level

ENGLISH	MALAY
require	memerlukan
research plan	plan penyediaan
researcher	penyelidik
resemble	serupa
residue	sis
resistance	ketahanan
resource(s)	sumber
resources management	pengurusan sumber
respiration	respirasi
respiratory chain	rantai respirasi
respiratory surface	permukaan respirasi
respiratory tract	salur respirasi
response	gerak balas
resting potential	potensi rehat
resting stage (interphase)	peringkat rehat (antara fasa)
restriction enzyme	enzim pembatasan
result	hasil, keputusan
reticulum	retikulum
retina	retina
retrovirus	retrovirus
Rh negative blood	darah Rh-negatif
Rh positive blood	darah Rh-positif
Rhesus factor (Rh factor)	faktor resus
rheumatic fever	demam reumatik
rheumatoid arthritis	arthritis reumatoid
rhizoid	rizoid
rhizome	rizom
rib	tulang rusuk
rib cage	sangkar tulang rusuk
riboflavin	riboflavin
ribonucleic acid (RNA)	asid ribonukleik
ribose	ribosa
ribosomal RNA	RNA ribosom
ribosome(s)	ribosom
ricketts	demam riketsia
ringing	menggelang
ringworm	kurap
rip	sambar
ripped	koyak
risk	risiko
RNA polymerase	polimerase RNA
roach	lipas
Rocky mountain spotted fever	demam berbintik gunung Rocky
rodent	roden
root	akar
root hair	akar rambut
root nodule	bintil akar

Living Environment Glossary - High School Level

ENGLISH	MALAY
root pressure	tekanan akar
rotation of crops	giliran tanaman
roughage	rufaj
roundworm	cacing bulat
routine	rutin
rubella	rubela
rudimentary organ	monitor rintangan
ruminant	ruminan
runner	pelari
S	
Sabin vaccine	vaksin sabin
saccharide	sakarida
saccharin	sakarín
salamander	salamander
saline	salinus
salinity	kemasaan
saliva	air liur
salivary amylase	amilase liur
salivary gland	kelenjar liur
Salk vaccine	vaksin Salk
salmon	salmon
salmonella	salmonela
salt marsh	rawang garam
salt water	air garam
sample	sampel
sand	pasir
sandy soil	tanah berpasir
sanitary	sanitari
sap	sap
saprophyte	saprofit
saturated fats	lemak tepu
scale	skala
scallop	kulit kerang
scarcity	kekurangan
scavenger	pengaut pembangkai
schizophrenia	skizofrenia
Schwann's cell	sel Schwann
science	sains
scientific method	kaedah saintifik
scientific theory	teori saintifik
scientist	ahli sains
scion	sion
sclera	sklera
sclereid	sklereid
sclerosis	sklerosis
scorpion	jengking
scrotum	skrotum

Living Environment Glossary - High School Level

ENGLISH	MALAY
scurvy	skurvi
sea anemone	buran
sea cucumber	gamat, timun laut
sea urchin	landak laut
seal	anjing laut
sebaceous gland	kelenjar minyak
sebum	sebum
second filial generation	generasi filial kedua
secondary consumer	pengguna sekunder
secondary mycelium	miselium sekunder
secondary sexual characteristics	ciri seks sekunder
secondary succession	sesaran sekunder
secretin	sekretin
secretion	rembesan
sedimentary strata	strata endapan
seed	benih
seed dispersal	sebaran biji benih
seep out	resap keluar
segment	segmen
segregation	pengasingan
selection	pemilihan
selective breeding	pembiakbakaan pilihan
selective permeability	ketelapan berpilih
selective permeable membrane	membran ketelapan berpilih
self-fertilization	penswasenyawaan
self-pollination	pendebungaan sendiri
semen	mani/ semen
semicircular canal	salur separuh bulat
semicircular valve	injap separuh bulatan
seminal vesicle	vesikel semen
seminiferous tubule	tubul sperma
semipermeable membrane	membran separuh telap
sensitivity	kepekaan
sensitization	pemekaan
sensor	penderia, sensor
sensory area	kawasan deria
sensory nerve fiber	gentian saraf deria
sensory neuron	neuron deria
sensory receptor	penerima deria
separate	pisah
septum	septum
sequence(s)	jujukan
series	siri
serum	serum
served as	dihidangkan sebagai
sessile	sesil
setup	pasang

Living Environment Glossary - High School Level

ENGLISH	MALAY
sewage	kumbahan
sex cell	sel seks
sex chromosome	kromosom jantina
sex hormone	hormon seks
sex organ	organ seks
sex-linkage inheritance	warisan terangkai seks
sex-linked gene	gen terangkai seks
sex-linked trait	trait kaitan jantina
sexual	seksual
sexual generation	penjanaan seks
sexual maturity	kematangan seks
sexual reproduction	pembiakan seks
sexually transmitted diseases	penyakit kelamin
shark	yu
shore	pesisir
shortsightedness	rabun jauh
shoulder joint	sendi bahu
shrub(s)	pokok renek
Siamese twin	kembar Siam
sibling(s)	saudara kandung, adik-beradik
sickle cell	sel sabit
sickle cell anemia	anaemia sel sabit
side effect	kesan sampingan
significance	keertian
simple microscope	mikroskop ringkas
simple reflex action	tindakan refleks mudah
simple sugar (monosaccharide)	gula ringkas (monosakarida)
single circulation	peredaran tunggal
single-gene trait	trait gen tunggal
Sino-atrial node (S-A node)	nodus sinoatrium
sinus	sinus
siphon	sifon
site	tapak
skeletal muscle	otot rangka
skeletal system	sistem rangka
skeleton	rangka
sketch	sketsa
skin	kulit
skull	tengkorak
sleeping sickness	penyakit tidur
slide	slaid
sludge	enap cemar
small intestine	usus kecil
smallpox	cacar
smog	kabut
smooth muscle	otot licin
sneezing reflex	refleks bersin

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ENGLISH	MALAY
soak	rendam
soda	soda
sodium	natrium
sodium bicarbonate	natrium bikarbonat
sodium chloride	natrium klorida
sodium ion	ion natrium
soil	tanah
soil conservation	pemuliharaan tanah
soil depletion	kesusutan tanah
soil erosion	hakisan tanah
solar energy	tenaga matahari
solid bone	batu pejal
solute	zat terlarut
solution	larutan
solvent	pelarut
somatic	somatik
somatic cell	sel somatik
somatic nervous system	sistem saraf somatik
soot	jelaga
sort	isih
source	sumber
specialized	terkhusus
speciation	penspesiesan
species	spesies
species diversity	kepelbagaian spesies
specific	khusus
specificity	ketentuan
specimen	spesimen
spectacular	hebat
spectrum	spektrum
sperm	sperma
sperm duct	duktus sperma
sperm nuclei	nukleus sperma
spermatid	spermatid
spermatocyte	spermatosit
spermatogenesis	spermatogenesis
spermatophyte	spermatofit
sphincter	sfinkter
spike	benih
spill	limpah
spinal column	turus spina
spinal cord	korda spina, saraf tunjang
spinal nerve	saraf spina
spindle	spindel
spindle fiber	gentian spindel
spleen	limpa
splice	sambat

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ENGLISH	MALAY
splits	berpisah
sponge	span
sponge bone	tulang span
spongy layer	lapisan span
spongy mesophyll	mesofil span
spongy tissue	tisu span
spontaneous generation theory	teori penjanaan spontan
spontaneous mutation	mutasi spontan
sporangium	sporangium
spore	spora
spore reproduction	pembiakan spora
sporophyte generation	penjanaan sporofit
sporulation	pensporulan
spot	tumpu
sprain	terseliuh, terkehel
spray	semburan
sputum	kahak
square	segi empat
squid	sotong
stability	kestabilan
stable	stabil
stain	kesan
staining	pewarnaan
stalk	batang
stamen	stamen
staminate flower	bunga stamen
staphylococcus	staphylococcus, stafikokus
starch	kanji
starfish	tapak sulaiman
statement	penyata, kenyataan
steady state	keadaan mantap
stem	tiang
stereomicroscope	stereomikroskop
stereoscope	stereoskop
sterile	mandul
sterility	kemandulan
sterilization	pensterilan, pemandulan
sterilizing	mensteril
sternum	tulang dada, sternum
steroid	steroid
stethoscope	stetoskop
stigma	stigma
stimulate	merangsang
stimuli	rangsangan
stimulus	rangsangan
stinging cell	sel menyengat
stock	stok, saham

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ENGLISH	MALAY
stolon	stolon
stomach	perut
stomata (stoma)	stoma
stops	berhenti
storage	simpanan, storan
storage tissue	tisu penyimpanan
strains	tarikan
strand	bebenang
stream	anak sungai
streptococcus	streptococcus, streptokokus
streptomycin	streptomisin
striated muscle	otot berstria
strip	jalur
strip cropping	penanaman jalur
stroma	stroma
structural formula	formula struktur
structure	struktur
style	stail, gaya
subsoil	subtanah
subspecies	subspesies
substance	berat asas
substrate	substrat
succession	sesaran
sucker	penghisap
sucrase	sukrase
sucrose	sukrosa
suction pressure	tekanan sedut
sulfa drug	drug sulfa
sulfur	sulfur
sulfur dioxide	sulfur dioksida
superior vena cava	vena cava superior
surface tension	tegangan permukaan
surgery	pembedahan
surrogate parent	ibu bapa ganti
surround	mengelilingi
survival	kemandirian
survival of the fittest	hanya yang kuat bertahan
survive(d)	mandiri
suspension	ampaian
sustainable use	penggunaan lestari
suture	sutur
swamp	paya
sweat gland	kelenjar peluh
swim-bladder	pundi renang
symbiosis	simbiosis
symbiotic	simbiotik
sympathetic	simpati

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ENGLISH	MALAY
sympathetic nervous system	sistem saraf simpetatik
symptom	simptom
synapse	sinaps
synthesis	sintesis
synthesize	mensintesiskan
synthetic circulation	peredaran tiruan
systole	sistole
systolic pressure	tekanan sistolik
T	
tadpole	berudu
taiga	taiga
tail fin	sirip ekor
tanker	kapal tangki
tap root	akar tunjang
tapeworm	cacing pita
tar	tar
taste bud	tunas rasa
taxonomy	taksonomi
Tay-Sachs disease	penyakit Tay-Sachs
technique	teknik
technology	teknologi
telophase	telofasa
temperate deciduous forest	hutan daun luruh sederhana
temperate zone	zon sederhana
temperate inversion	penyonsangan sederhana
template	templat
tend to	cenderung kepada
tendon	tendon
tentacle	tentakel
terminal bud	mata tunas hujung
termite	anai-anai
terrace	teres
terrestrial	daratan
terrestrial biome	biom daratan
territory	wilayah
test cross	kacuk uji
testis	testis
testosterone	testosteron
tetanus	tetanus
tetrad	tetrad
tetraploid	tetraploid
thalassemia	talasemia
theory	teori
theory of use and disuse	teori guna dan tidak diguna
therapy	terapi
thermal pollution	pencemaran terma
thicker	lebih tebal

Living Environment Glossary - High School Level

ENGLISH	MALAY
third-level consumer	pengguna tingkat ketiga
thoracic duct	duktus toraks
thorax	toraks
threshold	ambang
thrombin	trombin
thromboplastin	tromboplastin
thrombosis	trombosis
thrombus	trombus
thymine	timina
thymus gland	kelenjar timus
thyroid gland	kelenjar tiroid
thyroid-stimulating hormone (TSH)	hormon perangsang tiroid
thyroxine	tiroksina
tibia	tibia
tissue culture	kultur tisu
tissue fluid	bendalir tisu
tissue(s)	tisu
tobacco	tembakau
ton	tan
tongue rolling	menggulung lidah
tonsil	tonsil
tonsillitis	tonsilitis
tooth decay	kereputan gigi
tooth root	akar gigi
toothpick	pencungkil gigi
topsoil	tanah atas
toxic	toksik
toxin(s)	toksin
trace element	unsur surih
trachea	trakea
tracheophyte	trakeofit
trade-off	tukar ganti
traffic	trafik
trait(s)	trait
transcription	transkripsi
transduction	transduksi
transfer	pemindahan
transfer RNA (t RNA)	RNA pindah
transformation	penjelmaan, transformasi
transfusion	transfusi
transgenic	transgenik
translation	terjemahan
transmission	pemancaran
transmit	hantar
transpiration	transpirasi
transpiration pull	tarikan transpirasi
transplant	transplan

Living Environment Glossary - High School Level

ENGLISH	MALAY
transport system	sistem pengangkutan
transverse colon	kolon melintang
transverse section	keratan lintang
trauma	trauma
treatment	rawatan
treat	rawat
trend	aliran
trial	percubaan
triceps	triseps
trilobite	trilobit
translocation	translokasi
triple-beam balance	neraca tiga palang
triplet code	kod triplet
triploid	triploid
trophic level	paras trofik
tropical rain forest	hutan hujan tropika
tropical zone	zon tropika
tropism	tropisme
trypsin	tripsin
tuber	tuber
tuberculosis	tuberkulosis
tubing	saluran
tubule	tubul
tumor	tumor
tundra	tundra
turbidity	kekeruhan
turgid	turgid, segar
turgor pressure	tekanan turgor
Turner's syndrome	sindrom Turner
typhoid	tifoid
U	
ulcer	ulser
ulna	ulna
ultracentrifuge	ultraempar
ultrafiltration	pengultraturasan
ultrasound	ultrasound, ultrabunyi
ultraviolet light	cahaya ultraungu
umbilical cord	tali pusat
umbilicus	umbilikus
undergo	menjalani
unicellular	unisel
universal recipient	penerima universal
unsaturated fats	lemak tak tepu
uracil	urasil
uranium	uranium
urban desert	gurun bandar
urbanization	pemandaran

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ENGLISH	MALAY
urea	urea
urease	urease
ureter	ureter
urethra	uretra
uric acid	asid urik
urinary bladder	pundi kencing
urinary system	sistem kencing
urine	urin, air kencing
uterine lining	lapis uterus
uterus	uterus
utilize	menggunakan
V	
vacant	kosong
vaccinated	divaksin
vaccination	pemvaksinan
vaccine	vaksin
vacuole(s)	vakuol
vagina	faraj
valid	sah
valine	valina
valuable	berharga
valve	injap
vane	van
variability	kebolehubahan
variable	pemboleh ubah
variable factor	faktor berubah
variation	ubahan, variasi
variegated leaf	daun variegat
variety	varieti, keanekaan
various	pelbagai
vas deferens	vas deferens
vascular bundle	berkas vaskular
vascular cylinder	silinder vaskular
vascular plant	tumbuhan pembuluh
vascular ray	sinar vaskular
vascular system	sistem vesel
vascular tissue	tisu vaskular
vasoconstriction	pencerutan vena
vasodilation	vasodilatasi
vasopressin	vasopresin
vector	vektor
vegetation	vegetasi
vegetative propagation	pembiakan tampang
vein	vena, urat
vena cava	vena cava
venereal disease	penyakit venereal
venous flow	aliran vena

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ENGLISH	MALAY
ventral	ventral
ventral blood vessel	salur darah ventral
ventral nerve cord	urat saraf ventral
ventral root	akar ventral
ventricle	ventrikel
venule	pembuluh halus
Venus flytrap	perangkap lalat Venus
vertebra(e)	vertebra
vertebral column	turus vertebra
vertebrate(s)	vertebrat
vesicle	vesikel
vessel	pembuluh
vestigis	vestij
vestigial	saki
vigorously	dengan kuat
villi	vilus
villus	vilus
viral disease	penyakit virus
virus	virus
viscera	visera
visceral muscle	otot visera
visible spectrum	spektrum nampak
vital	penting
vital capacity	kemampuan vital
vitamin	vitamin
viviparous	vivipariti
vocal cords	pita suara
volume	isi padu
voluntary action	tindakan terkawal
voluntary behavior	tingkah laku terkawal
voluntary muscle	otot terkawal
volunteer	sukarela
W	
waiting	menunggu
walnut	walnut
warm-blooded	berdarah panas
warning coloration	warna amaran
waste	sisa
water potential	potensi air, keupayaan air
water vascular system	sistem vaskular air
water-cycle	kitaran air
wavelength	panjang gelombang
wax layer	lapisan lilin
weasel	wesel
weather	cuaca
weathering	luluhawa
web	jejaring labah-labah

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ENGLISH	MALAY
weed killer	racun rumpai
wetland	tanah lembap
wet-mount slide	slaid mount basah
whale	paus
wheat	gandum
white blood cell	sel darah putih
white corpuscle	korpuskel putih
white matter	jirim putih
whole blood	darah penuh
whooping cough	batuk kokol
wildlife conservation	pemuliharaan hidupan liar
wilt	layu
wind break	tampan angin
wind erosion	hakisan angin
wind pollination	pendebungaan angin
windpipe	salur udara
wingspan	rentang sayap
within	di dalam
womb	rahim
woody fiber	gentian berkayu
woody stem	batang berkayu
woolly mammoth	gajah mammoth
worker bee	lebah pekerja
worm	cacing
X	
xanthophyll	xantofil
xanthoproteic test	ujian xantoproteik
X-chromosome	kromosom X
xylem	xilem
Y	
Y-chromosome	kromosom Y
yeast	yis
yeast fermentation	penapaian yis
yolk	kuning telur
yolk sac	kantung yolka
Z	
zonation	pengezonan
zooplankton	zooplankton
zygote	zigot