

Glossary

Intermediate School Level

Science Glossary

English / Malay



Translation of Science Terms
Based on the Coursework for
Science Grades 6 to 8.

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





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Intermediate School Level Science Glossary

ENGLISH	MALAY
A	
absorb	menyerap
acceleration	pemecutan
acid rain	hujan asid
action	tindakan
adapt	menyesuai
adaptation	penyesuaian
adjust	menyesuaikan
adult	dewasa
advantage	peluang
affect	perubahan
air	udara
air mass	jisim udara
air pressure	tekanan udara
air resistance	ketahanan udara
alternate	berselang
alto	nada
amount	jumlah
amphibian	amfibia
amplitude	amplitud
analyze	analisa
anatomy	anatomi
ancestor	nenek moyang
ancient	purba
anemometer	anemometer
angle	sudut
animal	haiwan
Animalia	animalia
antibiotic	antibiotik
antibody	antibodi
appliance	alatan
apply	aplikasi
appropriate	sesuai
approximately	lebih kurang
arrange	susunan
artery	arteri
arthropod	antropod
asexual	aseks
assemble	menghimpun
asteroid	asteroid
astronomer	ahli Falak
atmosphere	atmosfera
atom	atom
atomic number	nombor atom
attract	menarik
automatic	automatik

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ENGLISH	MALAY
available	ada
axis	paksi
B	
bacteria	bakteria
balance	seimbang
balanced forces	kuasa seimbang
bar graph	graf palang
bare	dedah
barometer	barometer
battery	bateri
bed	katil
behavior	perlakuan
beneficial	bermanfaat
benefit	faedah
best	terbaik
big bang	ledakan dahsyat
binary fission	belahan dedua
biomass	biojisim
bird	burung
blink	mengerdip
blizzard	ribut salji
block	menutup
blood tissue	tisu darah
blood vessel	pembuluh darah
blossom	menguntum
boil	mendidih
boiling point	takat didih
bone tissue	tisu tulang
bounce	melantun
brain	otak
bronchi	bronkus
bundle	berkas
buoyancy	keapungan
buoyant force	daya apung
C	
calcium	kalsium
calculator	mesin kira
calorie	kalori
camera	kamera
camouflage	samaran
cancer	barah
capillary	rerambut
capture	menguasai
carbohydrate	karbohidrat
carbon (C)	karbon

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ENGLISH	MALAY
carbon dioxide (CO ₂)	karbon dioksida
cardiovascular system	sistem kardiovaskular
carnivore	karnivor
category	kategori
caterpillar	beluncas
cause-and-effect relationships	sebab dan kesan akibat
celestial	cakerawala
cell	sel
cell cycle	kitaran sel
cell division	bahagian sel
cell membrane	membran sel
cell theory	teori sel
cell wall	dinding sel
cellular respiration	rongga pernafasan
Celsius (°C)	celsius
cement	Simen
centimeter (cm)	Sentimeter
central nervous system	sistem saraf pusat
chain	Rantai
change	Ubah
change of direction	ubah haluan
change of motion	perubahan gerak
change of speed	perubahan kelajuan
characteristic	sifat
chart	carta
chemical	kimia
chemical bond	ikatan kimia
chemical change	perubahan kimia
chemical energy	tenaga kimia
chemical equation	persamaan kimia
chemical property	pemilikan kimia
chemical reaction	tindak balas kimia
chemical system	sistem kimia
chemical weathering	luluhawa kimia
chlorophyll	klorofil
chloroplast	kloroplas
choose	pilih
chromosome	kromosom
cinder cone volcano	kon abu gunung berapi
circuit	litar
circulation	edaran
circulatory system	sistem edaran
cirro-	cirro-
cirrus cloud	awam sirus
classification	klasifikasi
classify	mengelaskan

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ENGLISH	MALAY
climate	iklim
cloning	pengklonan
cloud	awan
coal	batu arang
code	kod
cold front	perenggan dingin
collect	pungut
collide	berlanggar
color	warna
column	kolum
comet	komet
comfortable	selesa
communicate	berhubung
community	komuniti
compare	bezakan
compass	kompas
competition	persaingan
complex carbohydrate	karbohidrat kompleks
compose	menyelesaikan
composite volcano	gunung berapi komposit
composition	penggubahan
compost pile	Cerucuk kompos
compound	majmuk
compound microscope	mikroskop majmuk
compress	memampatkan
compression	pemampatan
computer	komputer
conclude	memutuskan
conclusion	kesimpulan
condensation	pemeluapan
condense	memeluapkan
condition	kondisi
conduct	kelakuan
conduction	pengaliran
conductors	penghantar
consequences	kesan
conservation	perbualan
conservation of energy	perbualan tentang tenaga
conservation of mass	perbualan tentang jisim
conserve	menyimpan
consist of	terdiri daripada
consistent	tekal
constant	malar
construct	membina
consumer	pengguna
contain	berisi

Intermediate School Level Science Glossary

ENGLISH	MALAY
container	bekas
content	Isi kandungan
continent	benua
contrast	kontras
control	kawal
controlled experiment	Ujikaji yang dikawal
convection	perolakan
coordinate	koordinat
coordination	koordinasi
core	teras
covalent bond	Ikatan kovalen
create	cipta
crest	puncak
crop	potong
crust	kerak
crystal	hablur
crystallization	penghabluran
cubic	kiub
cubic centimeter	sentimeter padu
cure	rawat
cycle	pusingan
cytoplasm	sitoplasma
D	
daily	harian
dam	empangan
data	data
data table	carta data
daughter cell	sel anak
daylight	cahaya siang
decay	reput
decomposer	pengurai
decrease	merosot
defend	pertahan
deficient	kurang
define	memberi definisi
definite	pasti
delta	delta
density	ketumpatan
dependent variable	pembolehubah bersandar
deposition	perletakan
derived	terbitan
descend	terbenam
descendants	keturunan
describe	menggambarkan
desert	gurun
design	rekabentuk

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ENGLISH	MALAY
design scientific investigations	penyiasatan rekabentuk saintifik
determine	menentukan
develop	membangun
development	pembangunan
diagram	rajah
dichotomous key	kekunci dikotomi
difference	perbezaan
digest	menghadam
digestion	penghadaman
digestive system	sistem penghadaman
direct	langsung
directions	arahan
directly	secara langsung
disappearing trait	ciri kehilangan
discuss	bincang
disperse	sebar
dissolve	lesap
distance	jarak
distinctive	distingtif
distribute	mengagihkan
disturb	mengganggu
diversity	perbezaan
DNA	DNA
dominant	dominan
dominant gene	gen dominan
draw	lukis
dump	buang
E	
earth	bumi
earthquake	gempa bumi
earthworm	cacing tanah
echo	gema
eclipse	gerhana
ecological succession	penggantian ekologi
ecology	ekologi
ecosystem	ekosistem
effect	kesan
efficient	efisien
egg	telur
electric current	arus elektrik
electrical	elektrikal
electrical circuits	litar elektrik
electrical energy	tenaga elektrik
electricity	elektrik
electromagnet	elektromagnet
electromagnetic spectrum	spektrum elektromagnetik

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ENGLISH	MALAY
electromagnetic waves	gelombang elektromagnetik
electromagnetism	elektromagnetisma
electron	elektron
elements	elemen
elevation	elevasi
elliptical	eliptis
emit	sembur
endangered species	spesis terancam
endocrine system	sistem endokrin
endothermic	endoterma
energy	tenaga
energy flow	aliran tenaga
energy pyramid	piramid tenaga
energy resources	sumber tenaga
ensure	memastikan
environment	persekitaran
environmental	alam sekitar
environmental changes	perubahan alam sekitar
epithelial	epithelial
equal	sama
equation	persamaan
equator	khatulistiwa
equilibrium	keseimbangan
erosion	hakisan
error	kesalahan
esophagus	kerongkongan
establish	pemantapan kedudukan
estimate	anggar
estimation	anggaran
eukaryotic	eukariotik
evaluate	menilai
evaporate	sejat
evaporation	penyejatan
evidence	bukti
evolution	penilaian
example	contoh
exchange	tukar
excrete	kumuh
excretion	ekskresi
exoskeleton	rangka luar
exothermic	eksoterma
expand	meluas
experiment	ujikaji
explain	menerangkan
explanation	penerangan
express	ekspres

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ENGLISH	MALAY
external	luaran
extinct	pupus
F	
fact	fakta
factor	faktor
Fahrenheit (°F)	fahreinhait
fat	lemak
fault	batal
feature	ciri
features	ciri-ciri
female sex cell	sel pembiakan wanita
fertilization	persenyawaan
fertilized	tersenyawa
fertilizer	mensenyawa
fiber	serat
fish	ikan
fixed pulley	takal tetap
flood	banjir
flow chart	carta aliran
flower	bunga
fluid	bendalir
folded	terlipat
food	makanan
food chain	rantaian makanan
food web	jaringan makanan
for every action there is an equal or opposite reaction	setiap perbuatan akan ada reaksi berbeza
force	daya
forecast	ramalan
form	bentuk
formation	formasi
former	pembentuk
formula	formula
formulate	merumus
fossil	fosil
fossil fuel	bahan api fosil
freezing	kesejukan
frequency	kekerapan
friction	geseran
front	hadapan
fruit	buah
fuel	bahan bakar
filter	tapis
fulcrum	sangga tuas
function	fungsi
function of living things	fungsi benda hidup
fungi	fungus

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ENGLISH	MALAY
G	
galaxy	galaksi
garbage	sampah
gas	gas
gas giants	gas besar
gem	permata
gene	gen
generation	generasi
generator	generator
genetic engineering	kejuruteraan genetik
genetic material	bahan genetik
genetically	genetikal
genetic variation	variasi genetik
geologist	geologis
geothermal energy	tenaga geotermal
germ	benih
germination	percambahan
glacier	glasier
gland	kelenjar
global	global
global climate	Iklim dunia
global warming	pemanasan global
graduated cylinder	silinder bersenggat
gram (g)	gram
graph	graf
graphic	grafik
gravitational	kegravitian
gravity	gravity
greatest	terbesar
greenhouse gas	gas rumah hijau
green plant	tumbuhan hijau
groundwater	air bawah tanah
group	kumpulan
grow	tumbuh
growth	pertumbuhan
H	
habit	habit
habitat	habitat
hand lens	kanta tangan
hardness	kekerasan
harmful	bahaya
hazardous	berbahaya
healthy habit	perilaku yang sihat
hearth	pangkuan
hearth muscle	otot pangkuan

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ENGLISH	MALAY
heat	bahang
heat energy	tenaga bahang
herbivore	herbivor
heredity	keturunan
hereditary	turun temurun
hibernation	hibernasi
hormone	hormon
host	hos
human	manusia
human cell	sel manusia
humid	lembap
humidity	kelembapan
hurricane	taufan
hydroelectric power	kuasa hidroelektrik
hydrosphere	hidrosfera
hygrometer	higrometer
hypothesis	hipotesis
I	
identical	identik
identification	identifikasi
identify	mengecam
igneous	igneus
igneous rock	batu igneus
illuminate	memancar cahaya
illustrate	menggambarkan
immune system	sistem imunisasi
inclined plane	satah condong
increase	meningkat
independent	bebas
independent variable	pengubah bebas
indicate	indikasi
indirect	tidak langsung
individual	individu
infection	jangkitan
infectious disease	jangkitan penyakit
inference	inferens
information	informasi
ingredient	bahan-bahan
inherit	mewarisi
inheritance	pewarisan
inherited adaptation	adaptasi warisan
inherited trait	cri-ciri yang diwarisi
insect	unggas
instrument	peralatan
insulator	penebat
interact	berinteraksi

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ENGLISH	MALAY
interaction	interaksi
interior	dalam
internal	dalam
interpret	terjemah
interval	selingan
inversion	penyongsangan
invertebrate	invertebrat
investigation	penyiasatan
ion	ion
ionic bond	ikatan ion
iron (Fe)	besi
irregular	tidak regular
isolate	diasingkan
J	
jellyfish	ubur-ubur
joint	sambungan
K	
kilogram (kg)	kilogram
kiloliter (kl)	kiloliter
kilometer (km)	kilometer
kinetic energy	tenaga kinetik
kingdom	kerajaan
knowledge	pengetahuan
L	
label	label
landslide	tanah runtuh
large intestine	usus besar
larva	larva
laser	laser
latitude	latitud
lava	lava
layer	lapisan
leaf	daun
learned	belajar
learned adaptation	adaptasi pembelajaran
least	terkecil
leaves	daun
levee	pematang
lever	tuil
life cycle	kitaran hidup
life span	jangka hayat
lift	angkat
light	cahaya
light-years	tahun cahaya
line graph	garis graf

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ENGLISH	MALAY
lines of force	garis daya
link	pautan
liquid	cecair
list	senarai
liter (L)	liter
lithosphere	litosfera
liver	hati
living things	benda hidup
location	lokasi
locomotion	lokomosi
longitude	longitud
longitudinal wave	gelombang longitunal
loudness	lantang
lunar eclipse	gerhana bulan
lungs	paru-paru
luster	kilau
M	
machine	mesin
magma	magma
magnet	magnet
magnetic field	medan magnet
magnetic force	tenaga magnet
magnetism	kemagnetan
magnifier	pembesar
maintain	selenggara
maintenance	penyelenggaraan
major	major
male sex cell	sel pembiakan lelaki
mammal	mamalia
manage	urus
mantle	mantel
map	peta
mass	jisim
material	bahan
materials	Bahan-bahan
materials scientist	saintis bahan
mathematics	matematik
matter	jirim
measure	ukur
measurement	ukuran
mechanical energy	tenaga mekanik
mechanical weathering	luluhawa mekanikal
medium	medium
meiosis	meiosis
melting	peleburan
melting point	takat lebur

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ENGLISH	MALAY
metal	logam
metallic bond	ikatan logam
metalloid	metalloid
metamorphic	metamorf
metamorphic rock	batuan metamorf
metamorphosis	metamorfosis
meter (m)	meter
meter stick	kayu meter
methane	metana
method	kaedah
metric ruler	pembaris matrik
microorganisms	mikroorganisma
microscope	mikroskop
mid-ocean ridge	rabung tengah samudera
migration	migrasi
Milky Way	Bima sakti
milligram (mg)	miligram
milliliter (ml)	mililiter
millimeter (mm)	milimeter
mineral	mineral
mitochondria	mitokondria
mitosis	mitosis
mixture	campuran
model	model
moisture	lembapan
molecule	molekul
mollusk	mollusk
molten	lebur
monthly	bulanan
Monera	monera
monoculture	monokultur
moon	bulan
motion	gerakan
motor	motor
mountain	gunung
mouth	mulut
movable pulley	Takal yang boleh digerakkan
movement	pergerakan
movement of plates	pergerakan plat
mucus	lendir
muscle	otot
muscle tissue	tisu otot
muscular system	sistem otot
mutation	mutasi
multicellular	multisel
multicellular organism	organisma multisel

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ENGLISH	MALAY
N	
natural gas	gas alami
natural resource	sumber asli
natural selection	pemilihan alami
nebula	nebula
negative	negatif
nervous system	sistem saraf
net force	daya bersih
neuron	neuron
neutral	tidak berpihak
neutron	nutron
Newton	Newton
niche	bidang
nimbus	nimbus
nitrogen	nitrogen
noble gas	gas adi
nonliving things	benda bukan hidup
nonmetal	bukan logam
nonrenewable	tidak boleh diperbaharui
nonrenewable energy resource	sumber tenaga yang tidak boleh diperbaharui
nonrenewable resource	sumber tidak boleh diperbaharui
nose	hidung
nuclear energy	tenaga nukleus
nuclear fusion	nukleus pertaupan
nucleus	nukleus
nutrient	nutrisi
O	
object	objek
objective	objektif
objective lens	lensa objektif
observation	penilaian
observe	menilai
obtained	dapatan
occur	berlaku
ocean	lautan
odor	bau
offspring	anak
omnivore	omnivor
one-celled organisms	organisma satu sel
ooze	ooz
opinion	pendapat
orbit	orbit
order	tertib
organ	organ
organ system	sistem organ

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ENGLISH	MALAY
organelle	organel
organism	organisma
organize	teratur
original	asli
ovary	ovari
overabundance	kelimpahan
overcome	mengatasi
overpopulation	populasi berlebihan
ovule	ovul
oxygen	oksigen
ozone	ozon
P	
parallel circuit	litar selari
parasite	parasit
parent cell	sel induk
particle	zarah
pattern	pola
pedigree chart	carta salasilah
perceive	mengamati
percent, percentage	peratus
period	tempoh
periodic table	Jadual berkala
permanent magnet	magnet kekal
pesticide	prestisid
petroleum	petroleum
phases	frasa
phenomena	fenomena
phosphorus	fosforus
photosynthesis	fotosentesis
physical	fizikal
physical change	perubahan fizikal
physical property	sifat fizikal
physical weathering	luluhawa fizikal
picture	gambar
pie	pai
pie chart	carta pai
pie graph	graf pai
pistil	pistil
pitch	anggul
planet	planet
plant	tumbuhan
Plantae	alam tumbuhan
plasma	plasma
plate	plak
plate tectonics	tektonik plat
poison	racun

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ENGLISH	MALAY
polar	kutub
pollen	debunga
pollinate	mendebungkan
pollutant	cemar
pollution	pencemaran
position	posisi
positive	positif
potential energy	potensi tenaga
power of ten notation	tatatanda sepuluh kuasa
precipitation	pemendakan
predator	pemangsa
predict	ramal
predictable	diramal
prediction	ramalan
presence	kehadiran
preserve	awet
pressure	tekanan
prevailing	lazim
prevailing winds	angin lazim
previous	sebelum
prey	mangsa
primary	primer
probable	mungkin
procedure	tatacara
process	proses
produce	menghasilkan
producer	pengeluar
product	produk
prokaryotic	prokariotik
property	sifat
properties	sifat
protect	lindungi
protein	protein
Protista	protista
proton	proton
provide	menyediakan
pulley	takal
Punnett square	segi empat Punnett
pupa	pupa
purpose	tujuan
pushes and pulls	Tolak dan tarik
R	
radiation	radiasi
radioactive	radioaktif
radioisotope	radioisotop
rarefaction	rarefaksi

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ENGLISH	MALAY
rate	kadar
ray	sinar
react	reaksi
reactant	tindak balas
rearrange	atur semua
reason	alasan
receive	terima
recessive	lemah
recessive gene	gen lemah
recognize	mengenali
record	rekod
rectum	dubur
recycle	kitar semula
reduce	kurangkan
refer	rujuk
reflect	pantul
reflection	pantulan
reflex	refleks
refract	bias
refraction	pembiasan
regulation	peraturan
relationship	hubungan
relationships in organisms	hubungan organisma
relative humidity	kelembapan relatif
release	lepaskan
relevant	relevan
remain the same	kekal sama
remains	kekal
renewable	diperbaharui
renewable energy resource	Sumber tenaga yang boleh diperbaharui
renewable resource	sumber yang boleh diperbaharui
repair	mbaiki
represent	mewakili
reproduce	membiak
reproduction	pembiakan
reproductive	pembiakan
reptile	reptilia
required	dikehendaki
resist	tahan
resistant to	ketahanan
resource	sumber
respiration	pernafasan
respiratory system	sistem pernafasan
respond	gerak balas
response	respons
responsible	bertanggungjawab

Intermediate School Level Science Glossary

ENGLISH	MALAY
restore	memulihkan
result	keputusan
reuse	guna semula
reverse	membalik
revolution	perkisaran
revolve	berkisar
rock	batu
rock cycle	kitaran batu
role	peranan
root	akar
rotate	putar
rotation	putaran
runoff	penentu
rust	karat
S	
saliva	air liur
salivate	terliur
samples	sampel
scale	skala
scarce	angkat kaki
science	sains
scientific (use appropriate scientific tools)	saintifik
scientific inquiry	percarian saintifik
scientific investigation	siasatan saintifik
scientific law	peraturan saintifik
scientific name	nama saintifik
scientific thinking	pemikiran saintifik
scrape	skrap
screw	skru
sea floor spreading	sebaran bawah laut
sea level	Paras laut
season	musim
secondary	sekunder
sediment	endapan
sedimentary rock	batuan enap
sedimentation	pemendapan
seed	benih
seedling	mencambah
seep	meresap
select	pilih
selective breeding	Pembiakan terpilih
sense	deria
sense organ	organ deria
sequencing	turutan
series circuit	litar siri
settle	gerak mendap

Intermediate School Level Science Glossary

ENGLISH	MALAY
sewage	kumbahan
sex cell	Sel seks
sex cells	sel-sel seks
sexual	seksual
shape	bentuk
shell	cengkerang
shield volcano	gunung berapi perisai
shiver	menggigil
significant	penanda
similarity	persamaan
simple machine	mesin mudah
siren	siren
situation	situasi
size	saiz
skeletal muscle	otot rangka
skeletal system	sistem rangka
shy	malu
small intestine	usus kecil
smog	asbut
smooth muscle	otot lembut
soil	tanah
soil texture	tekstur tanah
solar cell	sel solar
solar eclipse	gerhana matahari
solar energy	tenaga solar
solar system	sistem solar
solid	pejal
solidification	pembekuan
solubility	keterlarutan
solute	terlarut
solution	larutan
solvent	pelarut
sound	bunyi
sound recorder	perakam bunyi
source	sumber
space	ruang
specialize	pengkhususan
species	jenis
specific	utama
specimens	spesimen
speed	kelajuan
sperm	air mani
spill	tumpah
spinal cord	kord lingkar
spiral	lingkar
sponge	span

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ENGLISH	MALAY
spore	spora
spring	spring
spring scale	skala spring
sprout	sulur
squint	juling
stable	stabil
stages	tahap
stamen	stamen
star	bintang
starch	kanji
state	menjelaskan
static charge	nisbah statik
static electricity	elektrik statik
stem	batang
stigma	stigma
stimulus	rangsangan
stomach	perut
stopwatch	Jam randik
strain	regangan
strategy	strategi
strato	strato
stratus cloud	awan stratus
streak	lari
structural adaptation	adaptasi stuktur
structure	stuktur
sublimation	pemejalwapan
subsoil	subtanah
substance	Bahan
sugar	gula
sulfuric acid	asid sulfurik
summarize	rumusan
sun	matahari
supernova	bintang terang
support	sokongan
surface	permukaan
survey	memeriksa
survival	mandiri
survive, survival	kemandirian
swamp	paya
sweat	peluh
switch	bertukar
system	sistem
T	
table	meja
table salt	garam halus
tadpole	berudu

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ENGLISH	MALAY
tape measure	Pita ukur
technology	teknologi
telescope	teleskopi
temperate	tenang
temperature	suhu
temporary magnet	magnet sementara
terrestrial planets	Planet bumian
test	ujian
theory	teori
thermal energy	tenaga terma
thermometer	termometer
thunderstorm	ribut petir
tide	arus
tilt	senget/condong
tilted	senget
time	masa
tissue	tisu
tool	peralatan
topsoil	tanah atas
tornado	ribut
trachea	tenggorok
trade-offs	perdagangan terbatal
trait	sifat
transfer	pindah
transform	berubah
transport	pengangkutan
transport system	sistem pengangkutan
transverse wave	gelombang melintang
trench	parit
trial	uji
tropical	tropika
troposphere	troposfera
trough	jurang
tumor	ketumbuhan
turbine	turbin
type	jenis
U	
unbalanced forces	kuasa tidak stabil
undergo metamorphosis	melalui proses penjelmaan
unequal	tidak sama
unicellular	satu sel
unifying themes	tema penyatuan
unique	unik
universe	dunia
unstable	tidak stabil

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ENGLISH	MALAY
V	
vacuole	lompong
valley	lembah
vapor	wap
variable	pembolehubah
variation	variasi
variety	pelbagai
vascular system	sistem pembuluh
vascular tissue	tisu pembuluh
vegetable	sayur
vehicle	kenderaan
vein	urat
velocity	halaju
vertebrate	vertebrata
vibrate	getaran
virus	virus
visible	jelas
visible light	cahaya jelas
vitamin	vitamin
volcanic activity	aktiviti gunung berapi
volcano	gunung berapi
voltmeter	voltmeter
volume	jumlah
W	
warm	panas
water	air
water cycle	kitaran air
water vapor	wap air
wavelength	sependapat
weather	cuaca
weathering	luluhawa
wedge	baji
weight	berat
wheel and axle	roda dan gandar
white blood cell	sel darah putih
wind	angin
wind vane	penunjuk arah angin
wise	cerdas
work	kerja
wrinkle	kedut
Z	
zone	zon
zygote	zigot