

Glossary

Elementary School Level Science Glossary

English / Malay

Translation of Science Terms Based on the
Coursework for Science Grades 3 to 5.



This glossary is to PROVIDE PERMITTED TESTING ACCOMMODATIONS of ELL/MLL students. It should also be used for INSTRUCTION during the school year. The glossary may be downloaded, printed and disseminated to educators, parents and ELLs/MLLs.

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THE STATE EDUCATION DEPARTMENT / THE UNIVERSITY OF THE STATE OF NEW YORK / ALBANY, NY 12234

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SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

| ENGLISH | MALAY |
|-----------------|-----------------|
| A | |
| absorb | menyerap |
| acceleration | pecutan |
| acid rain | hujan asid |
| adapt | menyesuaikan |
| adaptation | penyesuaian |
| adjust | laras |
| Air | Udara |
| air pressure | tekanan udara |
| air resistance | rintangan udara |
| alto | Alto |
| amount | jumlah |
| amphibian | amfibia |
| analyze | menganalisis |
| anemometer | anemometer |
| animal | haiwan |
| apply | mengenakan |
| around | sekitar |
| arrange | susun |
| artery | arteri |
| arthropod | artropod |
| asteroid | asteroid |
| atmosphere | atmosfera |
| atom | atom |
| axis | paksi |
| B | |
| balance | seimbang |
| balanced forces | daya seimbang |
| bar graph | graf palang |
| barometer | barometer |
| battery | bateri |
| behavior | tingkah laku |
| beneficial | bermanfaat |
| best | terbaik |
| bird | burung |
| blink | berkedip |
| block | bongkah |
| blood tissue | tisu darah |
| blood vessel | saluran darah |
| body heat | haba badan |
| bone | tulang |

SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

| ENGLISH | MALAY |
|------------------------|---------------------------------|
| bone tissue | tisu tulang |
| brain | otak |
| breathe | bernafas |
| bronchi | bronkus |
| buoyant force | daya apung |
| C | |
| calculator | kalkulator |
| camera | kamera |
| camouflage | penyamaran |
| capillary | kapilari |
| carnivore | karnivor |
| caterpillar | Ulat beluncas |
| cause-and-effect | sebab dan akibat |
| cell | sel |
| cell membrane | membran sel |
| cell wall | dinding sel |
| Celsius (C°) | celsius (C°) |
| centimeter (cm) | sentimeter |
| central nervous system | sistem saraf pusat |
| change | mengubah |
| change of direction | perubahan arah |
| change of motion | perubahan gerakan |
| change of speed | perubahan kelajuan |
| characteristic | sifat |
| chemical | kimia |
| chemical change | perubahan kimia |
| chemical property | bahan kimia |
| chemical weathering | luluhawa kimia |
| chlorophyll | klorofil |
| chloroplast | kloroplas |
| choose | pilih |
| cinder cone volcano | gunung berapi kon sinder |
| circuit | litar |
| circulatory system | sistem peredaran |
| cirro- | cirro- |
| cirrus cloud | awan sirus |
| classification | klasifikasi, pengelasan |
| classify | mengelaskan, mengklasifikasikan |
| claws | kuku |
| climate | iklim |
| cloud | awan |
| collect | kumpul |

SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

| ENGLISH | MALAY |
|---------------------|---------------------------|
| color | warna |
| column | lajur, turus |
| comet | Komet |
| common | Biasa |
| community | masyarakat |
| compare | membandingkan |
| compass | kompas |
| competition | persaingan |
| composite volcano | gunung berapi komposit |
| compost pile | timbunan kompos |
| compound | sebatian |
| compound microscope | mikroskop majmuk |
| computer | komputer |
| conclusion | kesimpulan |
| condensation | pemeluwapan |
| condition | keadaan |
| conduction | pengaliran |
| conductivity | kekonduksian, keberaliran |
| conductors | konduktor |
| conservation | pemuliharaan |
| consumer | pengguna |
| contain | mengandungi |
| container | bekas |
| content | kandungan |
| convection | perolakan |
| crest | puncak |
| crust | kerak |
| crystal | hablur |
| cubic centimeter | sentimeter padu |
| cycle | kitaran |
| cytoplasm | sitoplasma |
| D | |
| dam | empangan |
| data | data |
| data table | jadual data |
| decomposer | pengurai |
| decrease | menyusut, pengurangan |
| define | mentakrifkan |
| definite | pasti |
| density | ketumpatan |
| deposition | pemendapan, pengendapan |
| derived | terbitan |

SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

| ENGLISH | MALAY |
|-------------------|------------------------|
| describe | menerangkan |
| design | mereka bentuk |
| development | perkembangan |
| diagram | raajah |
| die | mati |
| difference | perbezaan |
| digestive system | sistem pencernaan |
| direction | arah |
| directly | terus, secara langsung |
| discuss | membincangkan |
| disperse | sebar, serak |
| distance | jarak |
| distribute | agih, tabur |
| draw | melukis |
| E | |
| earth | bumi |
| earthquake | gempa bumi |
| earthworm | cacing tanah |
| eat | makan |
| echo | gema |
| ecosystem | ekosistem |
| effect | kesan |
| efficient | cepat |
| egg | telur |
| electric | elektrik |
| electric current | arus elektrik |
| electrical energy | tenaga elektrik |
| electromagnet | elektromagnet |
| electromagnetism | elektromagnetisme |
| electron | elektron |
| elements | unsur |
| elevation | aras tinggi, menaikkan |
| eliminate | menyingkirkan |
| emit | memancarkan |
| energy | tenaga |
| energy resources | sumber tenaga |
| environment | persekitaran |
| equal | sama |
| erosion | hakisan |
| error | ralat |
| eruption | letusan |
| esophagus | esofagus |

SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

| ENGLISH | MALAY |
|-----------------|----------------------|
| establish | mewujudkan |
| estimate | menganggar |
| estimation | anggaran |
| evaluate | menilai |
| evaporate | menyejat |
| evaporation | penyejatan |
| evidence | bukti |
| example | contoh |
| exercise | senaman |
| exoskeleton | eksorangka |
| experiment | eksperimen |
| explain | menerangkan |
| external | luaran |
| eyes | mata |
| F | |
| fact | fakta |
| factor | faktor |
| Fahrenheit (°F) | Fahrenheit (°F) |
| fault | sesar |
| feather | bulu |
| feature | ciri |
| features | ciri-ciri |
| fins | sirip |
| fish | ikan |
| fixed pulley | takal tetap |
| float | apungan |
| flood | banjir |
| flowers | bunga |
| food chain | rantai makanan |
| food web | jaringan makanan |
| force | daya |
| form | bentuk |
| former | bekas |
| formula | formula |
| fossil | fosil |
| fossil fuel | bahan api fosil |
| frequency | kekerapan |
| friction | geseran |
| fruit | buah |
| fulcrum | fulkrum, sangga tuas |
| function | fungsi |
| fur | bulu |

SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

| ENGLISH | MALAY |
|--------------------|---------------------|
| G | |
| galaxy | galaksi |
| gas | gas |
| generation | penjanaan |
| generator | penjana |
| germinate | cambah |
| germination | percambahan |
| glacier | glasier |
| graduated cylinder | silinder bersengkat |
| gram (g) | gram (g) |
| graph | graf |
| graphic | grafik |
| gravity | graviti |
| greatest | terbesar |
| green plant | tumbuhan hijau |
| ground | tanah |
| groundwater | air tanah |
| grow | tumbuh |
| growth | pertumbuhan |
| H | |
| habitat | habitat |
| hail | hujan batu |
| hair | rambut |
| hand lens | kanta tangan |
| hardness | kekerasan |
| harmful | berbahaya |
| health | kesihatan |
| healthy habit | tabiat yang sihat |
| hearth | perdiangan |
| hearth muscle | otot perdiangan |
| heat | haba |
| heat energy | tenaga haba |
| herbivore | herbivor |
| hibernation | hibernasi |
| host | perumah |
| human | manusia |
| humidity | kelembapan |
| hurricane | taufan |
| hygrometer | higrometer |
| hypothesis | hipotesis |

SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

| ENGLISH | MALAY |
|----------------------|-----------------------------|
| I | |
| identify | camkan, kenal pasti |
| identical | seiras |
| igneous rock | batuan igneus |
| illuminate | menerangi |
| illustrate | menggambarkan, menjelaskan |
| inclined plane | satah condong |
| increase | bertambah |
| independent variable | pemboleh ubah tak bersandar |
| indicate | menunjukkan |
| inference | kesimpulan |
| information | maklumat |
| inherit | mewarisi |
| inherited adaption | penyesuaian yang diwarisi |
| inherited trait | sifat yang diwarisi |
| inquiry | pertanyaan, penyelidikan |
| insect | serangga |
| insulator | penebat |
| interact | berinteraksi |
| internal | dalaman |
| interpret | mentafsirkan |
| interval | selang, jeda |
| invertebrate | invertebrat |
| investigate | menyiasat |
| J | |
| jaw | rahang |
| jellyfish | ubur-ubur |
| joint | sendi |
| journal | jurnal |
| K | |
| kilogram (kg) | kilogram (kg) |
| kiloliter (kl) | kiloliter (kl) |
| kilometer (km) | kilometer (km) |
| kinetic energy | tenaga kinetik |
| kingdom | alam |
| kitten | anak kucing |
| knowledge | pengetahuan |

SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

| ENGLISH | MALAY |
|--------------------|------------------------|
| L | |
| label | label |
| land | tanah |
| landslide | tanah runtuh |
| large intestine | usus besar |
| larva | larva |
| latitude | garis lintang, latitud |
| lava | lahar, lava |
| leaf | daun |
| learned | dipelajari |
| learned adaptation | penyesuaian dipelajari |
| least | paling kurang |
| leaves | daun |
| leg | kaki |
| length | panjang |
| levee | tetambak |
| lever | tuas, tuil |
| life cycle | kitaran hidup |
| life span | jangka hayat |
| light | cahaya |
| lighting | pencahayaan |
| line graph | graf garis |
| lines of force | garis daya |
| liquid | cecair |
| list | senarai |
| liter (L) | liter (L) |
| live | hidup |
| living | hidup |
| living thing | benda hidup |
| location | lokasi |
| lunar eclipse | gerhana bulan |
| lungs | paru-paru |
| luster | kilau |
| M | |
| magma | magma |
| magnet | magnet |
| magnetic field | medan magnet |
| magnetic force | daya magnet |
| magnetism | magnetisme |
| magnifier | pembesar |
| maintain | mengekalkan |
| major | major, utama |

SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

| ENGLISH | MALAY |
|------------------------------|-------------------------------------|
| mammal | mamalia |
| mass | jisim |
| mates | pasangan |
| matter | jirim |
| measure | mengukur |
| mechanical | mekanikal |
| mechanical energy | tenaga mekanik |
| metamorphic rock | batuan metamorf |
| metamorphosis | metamorfosis |
| meter (m) | meter (m) |
| meter stick | kayu meter |
| method | kaedah |
| metric ruler | pembaris metrik |
| microscope | mikroskop |
| migration | migrasi |
| milligram (mg) | miligram (mg) |
| millimeter (mm) | milimeter (mm) |
| mineral | mineral |
| mitochondria | mitokondria |
| mixture | campuran |
| models | model |
| moisture | lembapan |
| molecule | molekul |
| mollusk | moluska |
| motion | gerakan |
| motor | motor |
| mouth | mulut |
| movable pulley | takal boleh gerak |
| muscle tissue | tisu otot |
| muscular system | sistem otot |
| N | |
| nail | kuku |
| natural events | peristiwa semula jadi |
| negative | negatif |
| nervous system | sistem saraf |
| neuron | neuron |
| niche | ceruk, nic |
| nimbus | nimbus |
| nonliving thing | benda tak hidup |
| nonrenewable | tak boleh diperbaharu |
| nonrenewable energy resource | sumber tenaga tak boleh diperbaharu |
| nose | hidung |

SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

| ENGLISH | MALAY |
|----------------------|----------------------|
| nucleus | nukleus |
| number | nombor |
| nutrient | nutrien |
| O | |
| object | objek |
| objective lens | kanta objek |
| observable | boleh cerap |
| observation | pencerapan |
| observe | cerap |
| obtained | diperoleh |
| occur | berlaku |
| odor | bau |
| offspring | anak |
| omnivore | omnivor |
| opinion | pendapat |
| orbit | orbit |
| order | order |
| organ | organ |
| organ system | sistem organ |
| organism | organisma |
| organize | mengatur |
| original | asli |
| ovary | ovari |
| overabundance | keterlaluan |
| ozone | ozon |
| P | |
| parallel circuit | litar selari |
| parasite | parasit |
| path | lalan |
| pattern | corak, pola |
| percent, percentage | peratus, peratusan |
| period | tempoh |
| permanent magnet | magnet kekal |
| phases | fasa |
| phenomena | fenomena |
| photosynthesis | fotosintesis |
| physical | fizikal |
| physical change | perubahan fizik |
| physical environment | persekitaran fizikal |
| physical property | sifat fizik |
| physical weathering | luluhawa fizikal |
| pie graph | graf pai |

SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

| ENGLISH | MALAY |
|------------------|------------------|
| pistil | pistil |
| pitch | kelangsingan |
| planet | planet |
| plant | tumbuhan |
| polar | kutub |
| pollen | debunga |
| pollinate | mendebunga |
| pollution | pencemaran |
| position | kedudukan |
| positive | positif |
| potential energy | tenaga keupayaan |
| precipitation | pemendakan |
| predator | pemangsa |
| predict | meramalkan |
| prediction | ramalan |
| presence | kehadiran |
| previous | sebelumnya |
| prey | mangsa |
| primary | primer |
| probable | mungkin |
| procedure | tatacara |
| process | proses |
| produce | mengeluarkan |
| producer | pengeluar |
| properties | sifat |
| protect | melindungi |
| proton | proton |
| provide | memberi |
| pull | tarik |
| pulley | takal |
| pupa | pupa |
| puppies | anak anjing |
| push | tolak |
| R | |
| rabbit | arnab |
| radiation | sinaran |
| rain | hujan |
| rearrange | susun semula |
| reason | sebab |
| receive | terima |
| record | rekod |
| rectum | rektum |

SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

| ENGLISH | MALAY |
|---------------------------|---------------------------------|
| recycle | kitar semula |
| reduce | mengurangkan |
| refer | rujuk |
| reflect | pantul |
| refract | bias |
| relationship | hubungan |
| relative humidity | kelembapan relatif |
| relevant | berkaitan |
| remain the same | tetap sama |
| renewable | boleh diperbaharu |
| renewable energy resource | sumber tenaga boleh diperbaharu |
| repair | baiki |
| repel | menolak |
| represent | mewakili |
| reproduce | membangkitkan |
| reproduction | pembangkitan |
| reptile | reptilia |
| required | diperlukan |
| respiratory system | sistem pernafasan |
| respond | bergerak balas |
| response | gerak balas |
| responsible | bertanggungjawab |
| result | hasil, keputusan |
| rest | rehat |
| reuse | guna semula |
| revolution | revolusi, putaran |
| revolve | berkisar |
| riding a bicycle | menunggang basikal |
| rock | batuan |
| rock cycle | kitaran batuan |
| role | peranan |
| root | akar |
| rotate | putar |
| rotation | putaran |
| rubbing | menggosok |
| ruler (metric) | pembaris (metrik) |
| runoff | larian |

SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

| ENGLISH | MALAY |
|--------------------------|-----------------------|
| S | |
| saliva | air liur |
| salivate | berliur |
| scale | skala |
| scientific inquiry | siasatan saintifik |
| scientific investigation | penyiasatan saintifik |
| scientific thinking | pemikiran saintifik |
| screw | skru |
| seasonal | bermusim |
| seasonally | secara bermusim |
| seasons | musim |
| secondary | sekunder |
| sediment | endapan |
| sedimentary rock | batuan sedimen |
| seed | biji benih |
| seedling | anak benih |
| select | pilih |
| senses | deria |
| sense organ | organ deria |
| sequences | urutan |
| series circuit | litar siri |
| sewage | kumbahan |
| shadows | bayang-bayang |
| shape | bentuk |
| shells | cangkerang |
| shelter | perlindungan |
| shield volcano | gunung berapi perisai |
| shiver | menggigil |
| significant | penting |
| similarity | persamaan |
| simple machine | mesin mudah |
| sink | tenggelam |
| situation | keadaan, situasi |
| size | saiz |
| skeletal muscle | otot rangka |
| skeletal system | sistem rangka |
| skin | kulit |
| sky | langit |
| sleet | hujan beku |
| small intestine | usus kecil |
| smooth muscle | otot licin |
| snow | salji |

SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

| ENGLISH | MALAY |
|-----------------------|-------------------------|
| soil | tanah |
| soil texture | tekstur tanah |
| solar cell | sel suria |
| solar system | sistem suria |
| solid | pejal |
| solidification | pemejalan |
| solubility | kelarutan |
| solute | zat terlarut |
| solution | larutan |
| sound | bunyi |
| sound recorder | perakam bunyi |
| source | sumber |
| space | ruang |
| species | spesies |
| specific | tentu, khusus |
| speed | kelajuan |
| spine | duri, tulang belakang |
| spinal cord | saraf tunjang |
| sponge | span, bunga karang |
| spore | spora |
| spring scale | dacing pegas |
| sprout | tunas, tumbuh |
| stages | peringkat, tahap |
| stamen | stamen |
| stalks | tangkai, gagang |
| star | bintang |
| state | keadaan, bentuk |
| static charge | cas statik |
| static electricity | elektrik statik |
| stem | batang |
| stigma | stigma |
| stimulus | rangsangan |
| stomach | perut |
| storms | ribut |
| stopwatch | jam randik |
| strategy | strategi |
| strato | strato |
| stratus cloud | awan stratus |
| streak | jalur |
| structural adaptation | penyesuaian berstruktur |
| structure | struktur |
| subsoil | subtanah, subtanih |
| substance | bahan |

SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

| ENGLISH | MALAY |
|-------------------|-------------------------|
| summarize | meringkaskan |
| sun | matahari |
| sunny | cerah |
| support | sokong |
| surface | permukaan |
| survive, survival | mandiri, kemandirian |
| surviving | terus hidup |
| sweat | peluh |
| switch | suis |
| system | sistem |
| T | |
| tadpole | berudu |
| tape measure | pita ukur |
| teeth | gigi |
| temperate | sederhana |
| temperature | suhu |
| temporary magnet | magnet sementara |
| theory | teori |
| thermometer | termometer |
| thrive | hidup subur |
| thunderstorm | ribut petir |
| tissue | tisu |
| tongue | lidah |
| tool | alat, perkakas |
| topsoil | tanah atas |
| tornado | tornado, puting beliung |
| trachea | trakea, tenggorok |
| trait | ciri, sifat |
| transfer | pindah |
| transport | pengangkutan, angkutan |
| trial | percubaan, cubaan |
| tropical | tropika |
| troposphere | troposfera |
| trough | jurang, palung |
| trunks | batang, badan |
| turbine | turbin |
| type | jenis |
| U | |
| unbalanced forces | daya tak seimbang |
| unequal | tidak sama |
| under | di bawah |
| universe | alam semesta |

SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

| ENGLISH | MALAY |
|----------------|---------------------|
| V | |
| vacuole | vakuol |
| variable | pemboleh ubah |
| vegetable | sayuran, tumbuhan |
| vein | vena, urat |
| vertebrate | vertebrat |
| visible | nampak |
| volcano | gunung berapi |
| voltmeter | voltmeter |
| volume | isi padu |
| W | |
| waste | sisa, bahan buangan |
| water | air |
| water cycle | kitaran air |
| water vapor | wap air |
| wavelength | panjang gelombang |
| weather | cuaca |
| weathering | luluhawa |
| wedge | baji |
| week | minggu |
| weight | berat |
| wheel and axle | roda dan gandar |
| width | lebar |
| wind | angin |
| wind vane | penunjuk arah angin |
| wings | sayap |
| | |