

Glossary

Intermediate School Level

Science Glossary

English / Twi



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.



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

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Intermediate School Level Science Glossary

| ENGLISH | TWI |
|----------------|---|
| A | |
| absorb | Anonom (nonom) |
| acceleration | Ne mirika |
| acid rain | soro nsu a asid wom |
| action | Adeyo |
| adapt | Fa wo ho gye mu (sakra/sesa) |
| adaptation | Sɛ wode woho regye (nsakrae/nsesae) |
| adjust | Danedane |
| adult | ɔpanyin |
| advantage | Ediboa/mfaso a ɛwɔ biribi so |
| affect | Ka a ɛka obi/biribi |
| air | Mframa |
| air mass | mframa mu duru |
| air pressure | mframa tumi |
| air resistance | mframa a ɛkotia |
| alternate | ɛsesa sesa |
| alto | ɛnne a ɛwɔ soro/fam |
| amount | Ne dodoɔ |
| amphibian | Aboa a otumi tena nsuo mu ne asase so |
| amplitude | Abuso |
| analyze | Hwehwe mu |
| anatomy | Abosuo (mmoa bɔbea) |
| ancestor | Nananom |
| ancient | Tete |
| anemometer | Afidie a esusu mframa mmirika |
| angle | Angle |
| animal | Aboa |
| Animalia | Mmoadoma |
| antibiotic | Aduro a ɛkotia mmoawa |
| antibody | Aduro bi a ɛwɔ nipadua mu yɛde ko tia yareɛ |
| appliance | Yɛde di dwuma (adwinnade) |
| apply | Fa yɛ adwuma(fa di dwuma) |
| appropriate | ɛfata |
| approximately | Fa w'anibu |
| arrange | Hyebye |
| artery | Ntini a mogya a efri akomam no fa mu |
| arthropod | Aboa a onni kaseɛ |
| asexual | Onni bɔbeasu |
| assemble | Boa ano |
| asteroid | Wiemboba |
| astronomer | Nimdefoɔ ɔhwe wiemu nneɛma |
| atmosphere | Ewiem nsem |
| atom | Atom |
| atomic number | Atom nɔma |
| attract | Twe ba wo ho |

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| ENGLISH | TWI |
|-----------------|--|
| automatic | Ɛye den ara a ɛbeba (Ɛtaa ye ade a nipa/afoforo mmoa nka ho) |
| available | Ɛwɔ hɔ |
| axis | Ntwaho dua |
| B | |
| bacteria | Aboawa |
| balance | Nsɛnɛɛ (Nsɛnia/ Ɛye pɛ) |
| balanced forces | Ahodɔn a ahodɔ a Ɛye pɛ (tumi hororw a Ɛye pɛ) |
| bar graph | Nkonta mu nfonin |
| bare | Ɛho da hɔ |
| barometer | Afidie a esusu eweim tumi |
| battery | Batre |
| bed | Mpa |
| behavior | Suban |
| beneficial | Ediboa/mfaso a Ɛwɔ so |
| benefit | Nnɛpa/mfaso |
| best | Papapaa a Ɛwɔ mu (nea eye paa) |
| big bang | Kwan a ewiase hyɛɛ aseɛ |
| binary fission | Emu paɛpaɛ mmienu |
| biomass | Tumi a efri nnua hyɛɛ mu |
| bird | Anomaa |
| blink | Bɔ w'ani |
| blizzard | Asukɔkyea (asukɔtweaa) a ano ye den |
| block | Si kwan |
| blood tissue | Mogya mu adeɛ (nneɛma) |
| blood vessel | Ntini a mogya fa mu |
| blossom | Eyi nhwere (Ɛye frɔmfrɔm/egu nhwiren) |
| boil | Ehuru |
| boiling point | Berɛ a ehuru |
| bone tissue | Dompe mu adeɛ |
| bounce | Ehurihuri |
| brain | Adwene (amemene) |
| bronchi | Ntini nketenkete wɔ aherawa mu |
| bundle | Bɔ no boa (ka bom/kyekyere) |
| buoyancy | Etumi tetɛ nsu ani (emu ye hare) |
| buoyant force | Tumi a etumi ma adeɛ tetɛ nsuo ani |
| C | |
| calcium | Kalseɔm |
| calculator | Afidie a yɛde ye nkonta |
| calorie | Aduane duro |
| camera | Afidie a etwa nfonin |
| camouflage | Aye ne ho sɛ |
| cancer | Kokoram |
| capillary | Ntini nketenkete paa |
| capture | Kyere |

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| ENGLISH | TWI |
|-----------------------------------|--|
| carbohydrate | Kabohaidrete |
| carbon (C) | Kaabɔn |
| carbon dioxide (CO ₂) | Kaabɔn a oksegen mmienu tareho (mframa bɔne) |
| cardiovascular system | Akoma ne ntini ho nhyehyeeɛ |
| carnivore | Aboa a ɔwe mmoa foforo nkoa (Aboa a ɔwe nam mono nkutoo) |
| category | Akuo |
| caterpillar | Osa |
| cause-end-effect relationships | Nea eɛde ba ne nea efri mu ba |
| celestial | Ɛwɔ wiem |
| cell | Sell (nkwammoa) |
| cell cycle | Sell ntwaɔho (nkwammoa kyinhyaɛdi) |
| cell division | Sell nkyekyemu (nkwammoa nkyekye mu) |
| cell membrane | Ntoma a adura sell ho (nkwammoa nnuraho) |
| cell theory | Sell ho adesua (nkwammoa ho nkyerɛkyerɛ) |
| cell wall | Sell ho afasuo (nkwammoa ho fasu) |
| cellular respiration | Sell mu ahome (nkwammoa ahome) |
| Celsius (°C) | Selhyios (selsiɔs) |
| cement | Somente |
| centimeter (cm) | Sentimeter |
| central nervous system | Adwene mu |
| chain | Esesaso (Ɛtoatoa so/kɔnsɔnkɔnsɔn) |
| change | Ɛsesa |
| change of direction | asesa baabi a n'anihwɛ (asesa baabi a ani kyere) |
| change of motion | Asesa n'ahokeka |
| change of speed | Asesa ne mmirika |
| characteristic | Ne su |
| chart | Nfonin |
| chemical | Aduro |
| chemical bond | Aduro no mfamho |
| chemical change | Aduro nsesae |
| chemical energy | Aduro no ahɔɔden |
| chemical equation | Aduro ne afanu a eyɛ pɛ |
| chemical property | Aduro ne su |
| chemical reaction | Aduro mu nsusuansoɔ |
| chemical system | Aduro mu nhyehyeeɛ |
| chemical weathering | adeweweɛ a efri aduro |
| chlorophyll | Aduro a Ɛwɔ ahahan momono mu |
| chloroplast | Baabi ahahan mu aduro wɔ |
| choose | Yi/paw |
| chromosome | Kromosome |
| cinder cone volcano | Egya a efri bepɔ mu a aye sɛ sinda kone |
| circuit | Ade etwane ho besi n'akyi |
| circulation | Efefa baabi (kyinhyaɛdi) |
| circulatory system | Nhyehyeeɛ a ɛma adeɛ fefa baabi (senea mogya di kyinhya) |
| cirro- | Ayɛsɛ mununkum a eyɛ nsensanee |

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| ENGLISH | TWI |
|------------------------|--|
| cirrus cloud | mununkum a eye nsensanee |
| classification | Y'ahyehye no akuoakuo |
| classify | Hyehe no akuoakuo |
| climate | Ewiem nsesaee |
| cloning | Wore nwene adee bi nseso pɛɛɛɛɛ |
| cloud | Mununkum |
| coal | Asaase mu bidie |
| code | Kodu (ahyensode/akwankyerɛ) |
| cold front | Mframa nwununwunu |
| collect | Gyegye |
| collide | Apem |
| color | Ahosuo |
| column | Afa |
| comet | Asukɔkyea a ewɔ wiem a ebɔhyee yihi mframa (nsoroma ketewa bi a etwa owia ho hyia) |
| comfortable | Ahodwɔ/ahotɔ |
| communicate | Dinkitaho |
| community | Mɔtɛmo |
| compare | Fatoto ho |
| compass | Afidie a ema akwankyerɛ |
| competition | Akansie |
| complex carbohydrate | Kabohaidrete a eye nwonwonan |
| compose | Twa/ye biribi |
| composite volcano | Egya a efri bepɔ mu na eye mmɔho |
| composition | Nneema a ewɔ mu |
| compost pile | Nwura a aboano na erepɔ |
| compound | Mmɔhommɔho |
| compound microscope | Afidie a ehwe nea ani ntumi nhunu |
| compress | Moa/mia so |
| Compression | Ademoa |
| Computer | Komputa |
| Conclude | Wie |
| Conclusion | Awiee |
| condensation | Se mframa redane nsuo |
| condense | Mframa dane nsuo |
| condition | Tebea |
| conduct | Ahodden tumi famu |
| conduction | Se ahodden refamu |
| conductors | Adee a ahodden tumi famu |
| consequences | Nsunsuansoɔ |
| conservation | Adekora |
| conservation of energy | Erekora ahodden |
| conservation of mass | Erekora emuduro |
| conserve | Kora |
| consist of | Nea ewɔ mu |
| consistent | Entaa nsesa |

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| ENGLISH | TWI |
|-----------------------|---|
| constant | Egyina faako |
| construct | Si |
| consumer | Nea odie |
| contain | So ano |
| container | Nea yede adee gu |
| content | Nea ewo mu |
| continent | Asaasetam |
| contrast | Fa to nsenee (nsenia) ani/kyere nsonsonoe a ewom) |
| control | Di so |
| controlled experiment | Nsohwe a ani wo ho |
| convection | Tumi a enam nsuo mu |
| coordinate | Toto nneema |
| coordination | Ntotoee |
| core | Ne mfinfin |
| covalent bond | Kofalent mfamho |
| create | Nwene |
| crest | Atifi |
| crop | Nobaee |
| crust | Eho |
| crystal | Eboɔ hyenhyen |
| crystallization | Eredane boɔ hyenhyen |
| cubic | Kubik |
| cubic centimeter | Kubik sentimeta |
| cure | Ayaresa |
| cycle | kyinhyia |
| cytoplasm | Nsuo a sell (nkwammoa) mu. |
| D | |
| daily | Da biara da |
| dam | Su tadee |
| data | Data |
| data table | Data pono |
| daughter cell | Sell a apae efri foforo mu |
| daylight | Awiabre han |
| decay | Aprɔ |
| decomposer | Dee ema adee pro |
| decrease | Eso ate |
| defend | Banbo |
| deficient | Etɔsini |
| define | Kyere aseɛ |
| definite | Etɔtwa |
| delta | Delta |
| density | Emu duro |
| dependent variable | Dee ɔdan obi |
| deposition | Y'atu w'adee so |
| derived | Ye nya fri biibi mu |
| descend | Sane |

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| ENGLISH | TWI |
|----------------------------------|--|
| descendants | Asefoɔ |
| describe | Kyeremu |
| desert | Esɛso |
| design | Sedeɛ yɛsi anwene |
| design scientific investigations | Hyeɛye abɔdeɛ mu nyansape nhwehwɛmu |
| determine | Kyerɛ |
| develop | Ye |
| development | Adeye/nkɔso |
| diagram | Nfonin |
| dichotomous key | Anwɛnade a wohye abɔdeɛ nso |
| difference | Nsonsonɛ |
| digest | Yam wɔ wo yam |
| digestion | Yafunu mu aduane yam |
| digestive system | Yafunu mu aduane yam nhyehyɛɛ |
| direct | Kyerɛkwan |
| directions | Akwankyerɛ |
| directly | Pɔtee |
| disappearing trait | Esu a ɛre yera |
| discuss | Di ho nkɔmmɔ |
| disperse | Ahyeta/apete |
| dissolve | Ahono |
| distance | Kwan bi tenten |
| distinctive | ɛdanso |
| distribute | Kyekye |
| disturb | Teeteɛ |
| diversity | Asɔɔtoo/ahorow |
| DNA | DNA |
| dominant | Nhyɛsodeɛ |
| dominant gene | Gene a ɛɛye forɔɔ so |
| draw | Dwi |
| dump | Totwene |
| E | |
| earth | Ewiase/asase |
| earthquake | Asaase wosɔɔ |
| earthworm | Sonsono |
| echo | Nnyegyɛɛ |
| eclipse | Bosome akye awia |
| ecological succession | Sedeɛ abɔdeɛ a ɛte ase abraɔɔ sesa wɔ bere dodoɔ bi mu |
| ecology | Sedeɛ abɔdeɛ a ɛte ase de wɔn ho nsawɔsɔɔ wɔ wɔn tenabea |
| ecosystem | Abɔdeɛ nyinaa ne wɔn tenabea |
| effect | Nsunsuansɔɔ |
| efficient | Ɔye n'adwuma yie |
| egg | Kosua |
| electric current | Nyinam tumi (anyinam ahɔɔden) |
| electrical | Ɔfa nyinam ho |
| electrical circuits | Nyinam ahɔɔden ntwaɔ |

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| ENGLISH | TWI |
|--------------------------|---|
| electrical energy | Nyinam ahodden mu tumi |
| electricity | Nyinam ahodden |
| electromagnet | Elektromagnete |
| electromagnetic spectrum | Elektromagnete akwaban |
| electromagnetic waves | Elektromagnete ahodden amunimuni |
| electromagnetism | Efa Elektromagnete ho |
| electron | Elektron |
| elements | Abodee mu nneema |
| elevation | Mpegya/ma so |
| elliptical | Aye te se kosua krukruwa ye |
| emit | Epu |
| endangered species | Abodee a won ase ereye ahye |
| endocrine system | Nnuro bi a ekyi gu mogya mu ho nhyehyeee |
| endothermic | Emu bhyew (egyina zhyew so ye) |
| energy | Tumi/ahodden |
| energy flow | Ahodden nsanee |
| energy pyramid | Ahodden piramede |
| energy resources | Ahodden ho nnepa |
| ensure | Hwe se |
| environment | Mmontenso (mpotam) |
| Environmental | Efa mmontenso ho (efa mpotam ho) |
| environmental changes | Mmontenso nsesaee (nsakrae a eba mpotam) |
| epithelial | Adee a edura nnipam akwaa horow ho |
| equal | Eye pe |
| equation | Afanu perepereyo |
| equator | Asaase mfinfin |
| equilibrium | Peye |
| erosion | Susuan |
| error | Mfomsos |
| esophagus | Honhon (menem) |
| establish | Te (si/ye/kyere) |
| estimate | Fa w'anibu |
| estimation | Dee yede aniabu |
| eukaryotic | Abodee a ne sell wo nuklɔs |
| evaluate | Susu |
| evaporate | Dane ntutuo |
| evaporation | Edane ntutuo |
| evidence | Adanse |
| evolution | Abodee mu sesaee fiti abodee ahyeasee (adaanandi) |
| example | Mfatoho/nhweso |
| exchange | Edi nsesa |
| excrete | Nipadua no yi fi pue |
| excretion | Se nipadua no reyi fin pue |
| exoskeleton | Nnompe a ewo aboa ho |
| exothermic | Eho hyew |
| expand | Bae/bue mu |

Intermediate School Level Science Glossary

| ENGLISH | TWI |
|---|---|
| experiment | Nhwehwɛmu (sɔ biribi hwɛ) |
| explain | Kyerɛaseɛ (kyerɛkyerɛ mu) |
| explanation | Nkyerɛaseɛ (Nkyerɛkyerɛ mu) |
| express | Dan adi (Da no adi) |
| external | Abɔnten |
| extinct | Asee ahye |
| F | |
| fact | Nokwasɛm |
| factor | Deɛ nti |
| Fahrenheit (°F) | Fahrenheit (°F) |
| fat | Sradeɛ |
| fault | Atɔkyew/mfomso |
| feature | Su |
| features | Su ahodoɔ |
| female sex cell | Mmaa sell a ɛfa nna nsem ho (mmea bɔbeasu nkwammoa) |
| fertilization | Sɛ kosua repae (sɛ ɔbarima nkwammoa ne ɔbea nkesua bedi afra) |
| fertilized | Kosua apae (sɛnea ɔbarima nkwammoa ne ɔbea nkesua di afra) |
| fertilizer | Fetilaisa (ɔye asase yiye) |
| fiber | Nhomanhoma |
| fish | Apataa/nam |
| fixed pulley | Dadeɛ a etim ho na hama sesa baabi a etwe adeɛ |
| flood | Nsuyiri |
| flow chart | Adesua nfonin a ɛkyerɛ biribi |
| flower | Nhweren (nhwiren) |
| fluid | Nsuonsuo |
| folded | Abobɔ |
| food | Aduane |
| food chain | Aduane nkɔnsɔnkɔnsɔn |
| food web | Aduane ntentan |
| for every action there is an equal or opposite reaction | Nneɔɛ biara no wɔ ho muaɛɛ a anohyɛɛ no yɛpɛ |
| force | Ahodɛn |
| forecast | Wore kyere deɛ ebetumi asi daakye |
| form | Nwene |
| formation | Adenwene |
| former | Deɛ edi anim |
| formula | Nea wonam so nya muaɛɛ |
| formulate | Nwene |
| fossil | mfueɛ ne mmoa nkaedɛɛ |
| fossil fuel | Adeɛ a etumi sɔ egya mfueɛ ne mmoa nkaedɛɛ |
| freezing | ɛredane nsubɔɔ |
| frequency | Bere dodoɔ a etae si |
| friction | Twitwiri |
| front | Anim |

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| ENGLISH | TWI |
|---------------------------|--|
| fruit | Aduaba |
| fuel | Adeɛ a etumi sɔ egya |
| filter | Nsɔnesɔɔ |
| fulcrum | Afidie fa ɛma afidie twa ne ho |
| function | Adeyɔ |
| function of living things | Deɛ Abɔdeɛ yɛ |
| fungi | Fungi/afifide |
| G | |
| galaxy | Wiemu nsroma ahodɔɔ (nsoromakuw) |
| garbage | Nwura |
| gas | Mframagya |
| gas giants | Mframa mu okunin |
| gem | Ɛboɔ a ne boɔ yɛ den |
| gene | Gene |
| generation | Abɔdeɛ ekuo (awo ntoatoaso) |
| generator | Afidie a ɛma nyinam ahodden |
| genetic engineering | Nkekabom a ɛkɔ so genetike |
| genetic material | Genetike ho adeɛ |
| genetically | Ɛfa genetike ho |
| genetic variation | Genetike mu adaneadane |
| geologist | Nimdefoɔ a osua aboɔ mu nsem |
| geothermal energy | Ɔhyew tumi a efri asaase ase pue |
| germ | Mmoawa a wɔde yareɛ ba |
| germination | Ade fefɛ |
| glacier | Asukɔkyea a akantoa |
| gland | Nipadua no akwaa a ekyikyɩ nnuro gu mogya mu |
| global | Ewiase |
| global climate | Ewiase wiem nsakraɛɛ |
| global warming | Ewiase hyewbɔ |
| graduated cylinder | Selenda a yɛde nsusudeɛ wɔ ho |
| gram (g) | Gram (g) |
| graph | Nkonta mu nfonin |
| graphic | Ɛdan adi |
| gravitational | Ɛfa abɔdeɛ mu ahodden a ɛtwe adeɛ ba fam |
| gravity | Abɔdeɛ mu ahodden a ɛtwe adeɛ ba fam (tumi a ɛtwe adeɛ ba fam) |
| greatest | Papapaa a ɛwɔ mu (kɛse paa a ɛwɔ mu) |
| greenhouse gas | Mframa a ɛwowɔ ewiem |
| green plant | Mfueɛ/afifide |
| groundwater | Asaase ase nsuo |
| group | Ekuo |
| grow | Nyini |
| growth | Onyini |

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| ENGLISH | TWI |
|----------------------|----------------------------------|
| H | |
| habit | Suban |
| habitat | Abɔdeɛ teasefoɔ bi tenabea |
| hand lens | Ahwehweniwa a yede kuta |
| hardness | Ne denden (ne denyɛ) |
| harmful | Etumi pira |
| hazardous | Etumi di awu |
| healthy habit | Suban papa |
| hearth | Efie (muka/fononoo) |
| hearth muscle | Akoma ho ntinintini |
| heat | ɔhyew |
| heat energy | Tumi a efri ɔhyew mu |
| herbivore | Mmoa a wɔye nwura nkoa |
| heredity | Adeɛ yɛnya fri awoɔ mu |
| hereditary | Adeɛ yɛ nya fri awoɔ ntotoaso mu |
| hibernation | Bɔ woho adwaa |
| hormone | Nnuro bi a ekyi gu mogya mu |
| host | Nea ɔgye hohoɔ |
| human | Nnipa |
| human cell | Nnipa mu akwaawa |
| humid | Nsuo ɛwɔ wiem |
| humidity | Nsuo a ɛwɔ wiem |
| hurricane | ɛpo mu mfamahyew |
| hydroelectric power | Nyinam ahooɔden a efri nsuo |
| hydrosphere | Nsutam biara a ɛwɔ asaase so |
| hygrometer | Afidie a yede susu ewiem nsuo |
| hypothesis | Nimdeɛ mu bɔtrimuka |
| I | |
| identical | Edi nɛɛ |
| identification | Ahyɛnsode |
| identify | Hyɛ ne nso |
| igneous | Bepɔ mu gya a ada adi |
| igneous rock | Bepɔ mu gya a adane botan |
| illuminate | Ma ehan (hyerɛn) |
| illustrate | Yi kyere/yɛ nhwɛso |
| immune system | Mogya mu akwaa a ekɔtia yareɛ |
| inclined plane | Ntweaseɛ a akyea |
| increase | Ekɔ soro |
| independent | Odi neho so |
| independent variable | Adeɛ odi neho so |
| indicate | Kyere |
| indirect | Ennye pɔtee |
| individual | Ankorankore |
| infection | Nsaneyareɛ |
| infectious disease | Nsaneyareɛ |

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| ENGLISH | TWI |
|----------------------|---|
| inference | Nea efri mu ba |
| information | Nsɛm |
| ingredient | Adeɛ bi mu nneɛma |
| inherit | Bedi adeɛ |
| inheritance | Adedie |
| inherited adaptation | Tenabea a awofoɔ adane(su a yenya fi awofo ho a etumi sesa) |
| inherited trait | Esu a yenya fri awofoɔ |
| insect | Aboa a onni kasɛɛ |
| instrument | Anwenade |
| insulator | Adeɛ ɔhyew ntumi mfa mu |
| interact | Di nsawɔsoɔ (di nkitaho) |
| interaction | Nsawɔsodie (nkitahodi) |
| interior | Emu |
| internal | Emu |
| interpret | Kyerɛ aseɛ |
| interval | Ekwan a ɛda ntɛm |
| inversion | Edi adane |
| invertebrate | Mmoa a wɔnni akyi kasɛɛ |
| investigation | Nhwehwɛmu |
| ion | Ion |
| ionic bond | Ionik mfamho |
| iron (Fe) | Dadeɛ iron (Fe) |
| irregular | Enni abosuo pɔtee bi |
| isolate | Yi fri ɛdɔm mu |
| J | |
| jellyfish | Nsuomu aboa |
| joint | N'apɔso |
| K | |
| kilogram (kg) | Kilogram (kg) |
| kiloliter (kl) | Kilolita (kl) |
| kilometer (km) | Kilometa |
| kinetic energy | Kinetik ahɔɔden |
| kingdom | Ahinie (ahenni) |
| knowledge | Nimdeɛ |
| L | |
| label | Ahyɛnsodeɛ |
| landslide | Asaase dwiri |
| large intestine | Nsono akeseɛ |
| larva | Osa |
| laser | Lesɛ kanɛɛ |
| latitude | Kwan tenten a ɛda ewiase atifi kosi anaafɔɔ |
| lava | Nsugya a efri bepɔ mu |
| layer | Ntasɔɔ (nkataso) |
| leaf | Ahahan |

Intermediate School Level Science Glossary

| ENGLISH | TWI |
|--------------------|--|
| learned | Y'asua |
| learned adaptation | Abrabɔ a y'asua |
| least | Ketewaa koraa εwɔ mu |
| leaves | Nhaban |
| levee | Pampim a εwɔ nsuano |
| lever | Daban |
| life cycle | Abrabɔ mu mpɛnpɛnsɔɔ ahodoɔ (nkwa kyinhyaadi) |
| life span | Abodeɛ nkwanna |
| lift | Kukru (ma so) |
| light | Kanea/hann |
| light-years | Kanea mfeeso |
| line graph | Nkonta mu nsensaneɛ nfonin |
| lines of force | Ahɔɔden nsensaneɛ |
| link | Atoatoa |
| liquid | Adeɛ eye nsuonsuo |
| list | Twɛɛtwɛɛ |
| liter (L) | Lita (L) |
| lithosphere | Ewiem fa a εwɔ nduraho |
| liver | Brɛbɔɔ |
| living things | Abodeɛ a εtease (abode a nkwa wom) |
| Location | Faako/beae |
| Locomotion | Nanteɛ |
| Longitude | Kwan tenten a εda ewiase atifi kosi atɔɛɛ |
| longitudinal wave | Amunimuni ahɔɔden wɔ kwan tenten a εda ewiase atifi kosi atɔɛɛ |
| Loudness | Anoden |
| lunar eclipse | Bosome kye asaase ne owia |
| Lungs | Aherawa/ahurututu |
| Luster | Ehan |
| M | |
| Machine | Afidie |
| Magma | Nsugya a efri bepɔ mu |
| Magnet | Stim /Magnet |
| magnetic field | Bea a stim wɔ |
| magnetic force | Bea a stim ahɔɔden wɔ/tumi a εtwɛtwɛ dade |
| Magnetism | Efa stim ho |
| Magnifier | Afidie a εma wo hunu adeɛ akɛsee |
| Maintain | Kora |
| Maintenance | Adekora |
| Major | Titiriw |
| male sex cell | Mmarima sell a εfa nna nsem ho (mmarima bɔbeasu nkwamoa) |
| Mammal | Aboa a ɔwo ne sɛsɔ |
| Manage | Toto |
| mantle | Nduraho |
| map | Map (asase mfonini) |

Intermediate School Level Science Glossary

| ENGLISH | TWI |
|-----------------------|--|
| mass | Mass |
| material | Adeɛ |
| materials | Nneɛma |
| materials scientist | Abɔdeɛ mu nimdefoɔ a osua adeɛ fa nneɛma ho |
| mathematics | Nkonta |
| matter | Adeɛ a ani hunu |
| measure | Susu |
| measurement | Nsusueɛ |
| mechanical energy | Mfidie mu ahɔden |
| mechanical weathering | Mfidie ho a ɛwewe |
| medium | Deɛ adeɛ namso |
| meiosis | Meiosis |
| melting | Erenane |
| melting point | Baabi adeɛ duru ansaana anane |
| metal | Dadeɛ |
| metallic bond | Dadeɛ mu mfamho |
| metalloid | Aduro a dadeɛ ne deɛ ennye dadeɛ su |
| metamorphic | Ɛboɔ a asesa ne su (ɔbo a asesa ne su) |
| metamorphic rock | Ɛboɔ a asesa ne su adane botan |
| metamorphosis | Abɔdeɛ sesa ne su |
| meter (m) | Basafa |
| meter stick | Dua a ne tenten ye basafa |
| methane | Metane |
| method | Nhyehyedeɛ (sɛnea wɔye biribi) |
| metric ruler | Asusudeɛ a eye metrik |
| microorganisms | Mmoawa a ani kan ntumi nhunu |
| microscope | Afidie a eboa ma ani tumi hunu mmoawa |
| mid-ocean ridge | Bepɔ a ɛwɔ ɛpo ase |
| migration | Akwantuo |
| Milky Way | Ewiem a nsroma ne owia nyinaa wɔ (nsoromakuw a yehu) |
| milligram (mg) | milligram (mg) |
| milliliter (ml) | millilita (ml) |
| millimeter (mm) | millimeta (mm) |
| mineral | Asaase mu agudeɛ |
| mitochondria | Mitokondria |
| mitosis | Sell nkyekyɛmu |
| mixture | Neɛma ahodoɔ adi afra |
| model | Adeketoa yede ye nhwesɔɔ |
| moisture | Nsuo |
| molecule | Molekule |
| mollusk | Enwa abusua |
| molten | Aduro bi a ɛwɔ bepɔ mu nsugya |
| monthly | Bosome bosome |
| Monera | Monera |
| monoculture | Amamerɛ kro (afifide koro) |
| moon | Bosome/ɔsram |

Intermediate School Level Science Glossary

| ENGLISH | TWI |
|------------------------------|--|
| motion | Ahokeka |
| motor | Moto |
| mountain | Bepɔ |
| mouth | Anom |
| movable pulley | Dadeɛ etim hɔ na ɛsesa baabi ahoma a ɛtwe adeɛ hwe |
| movement | Anamɔntutuo |
| movement of plates | Plete anamɔntutuo |
| mucus | Amaman |
| muscle | Ntini |
| muscle tissue | Ntini akwaa |
| muscular system | Ntini ho nhyehyɛɛ |
| mutation | Ɛsɛɛ fri ne tebea mu |
| multicellular | Abɔdeɛ a ne sell bro baako |
| multicellular organism | Abɔdeɛ a ɛtease na ɔwɔ sell ahodoɔ |
| N | |
| natural gas | Mframagya a efri ɔbɔɔadeɛ hɔ |
| natural resource | Nnepa a efri ɔbɔɔadeɛ hɔ |
| natural selection | Deɛ ɛma abɔdeɛ a wɔn ho yɛ den tumi tena nkwa mu |
| nebula | Mnununkum a mframagya ahodoɔ wɔ mu |
| negative | Etwam |
| nervous system | Aboa adwene |
| net force | Tumi no nsesa |
| neuron | Adwenemu fa |
| neutral | Onni afa biara |
| neutron | Neutro |
| Newton | Newton |
| niche | Tenebea (tenabea) |
| nimbus | Ɛhan atwa kanko |
| nitrogen | Nitrogen |
| noble gas | Mframagya a yɛfrɛ no noble |
| nonliving things | Abɔdeɛ a ɛtease (Abɔde a nkwa nnim) |
| nonmetal | Deɛ ennye dadeɛ |
| nonrenewable | Adeɛ a yɛntumi nsesamu bio |
| nonrenewable energy resource | Ahodoɔn a efri deɛ a yɛntumi nsesamu bio |
| nonrenewable resource | Nnepa a efri deɛ a yɛntumi nsesamu bio |
| nose | Ɛhwene |
| nuclear energy | Ahodoɔn a efri nukluɛɛ mu |
| nuclear fusion | Nukluɛɛ a emu rekyekye |
| nucleus | Nukleus |
| nutrient | Aduane mu nnuro |
| O | O |
| object | Adeɛ |
| objective | Nokwafoɔ |
| objective lens | Ɛns a ɛɛn nea wɔrehwe no paa |
| observation | Adeɛ a wo ahyɛ ne nso |

Intermediate School Level Science Glossary

| ENGLISH | TWI |
|----------------------|---|
| observe | Fa w'ani di akyire |
| obtained | Nya |
| occur | Esi |
| ocean | Ɛpo baatan/asu bun |
| odor | Pampan |
| offspring | Deɛ y'awoɔ/aseni |
| omnivore | Aboa a odia boa biara (aboa a ɔwe nam ne nhabamma nyinaa) |
| one-celled organisms | Abɔdeɛ a ɔwo sell baako |
| ooze | Epu frimu |
| opinion | Adwenkyerɛ |
| orbit | Kanko |
| order | Ahyɛdeɛ |
| organ | Nipadua mu akwaa |
| organ system | Nipadua mu akwaa nhyehyɛɛ |
| organelle | Nipadua mu akwaawa |
| organism | Abɔdeɛ a ɛtease |
| organize | Toto/hyehyɛ |
| original | Ne tebea ankasa |
| ovary | Aboa/nnipa nkosua |
| overabundance | Aboroso pii |
| overcome | Di so |
| overpopulation | Emufoɔ doɔso dodo |
| ovule | Ɔbaa kosua etumi pae |
| oxygen | Ɔksegen (mframa pa) |
| ozone | Mframagya ozone |
| P | |
| parallel circuit | Ntwaho a enhyia |
| parasite | Abɔdeɛ a odidi ɔfoforɔ ho |
| parent cell | Awofɔɔ no sell |
| particle | Adeɛ |
| pattern | Anweneɛ |
| pedigree chart | Dibea ho nfonin |
| perceive | Susu se |
| percent, percentage | Ɔha mu nkyemu |
| period | Berɛ bi |
| periodic table | Ɛpono a y'ahyehyɛ ɔbo adeɛ nnuro |
| permanent magnet | Stim a ɛwo ho afeboɔ |
| pesticide | Aduro a ekum aboa a odidi ofofɔɔ ho |
| petroleum | Famngo |
| phases | Ɛfa |
| phenomena | Anwanwadeɛ |
| phosphorus | Phosphorus |
| photosynthesis | Kwan a nhahan de awia dane aduane |
| physical | Deɛ anihunu |
| physical change | Deɛ anihunu nsesae |

Intermediate School Level Science Glossary

| ENGLISH | TWI |
|-----------------------|---|
| physical property | Deɛ ani hunu no su |
| physical weathering | Deɛ ani hunu ho nwenwee |
| picture | Nfonin |
| pie | Atwa kanko |
| pie chart | Nfonin a atwa kanko |
| pie graph | Nkonta mu nfonin atwa kanko |
| pistil | Nhwiren fa baabi a eye ɔbaa |
| pitch | Enee nnyegyee |
| planet | Kyinsroma (okyinsoroma) |
| plant | Mfueɛ/afifide |
| Plantae | Mfueɛ kubaatan |
| plasma | Mogya mu akwaa a ema no ye nsuonsuo |
| plate | Plɛte (mogya mu nneema a eye ntrantraa) |
| plate tectonics | Plɛte tetonike ekɔ so wɔ asaase mu |
| poison | Awuduro |
| polar | Efa atifi ne atɔɛɛ |
| pollen | Polen |
| pollinate | Polen a akɔ gu nhweren fa a eye ɔbaa so |
| pollutant | Adeɛ a ede fi ba |
| pollution | Efiyɔ |
| position | Gynabea |
| positive | Eye papa |
| potential energy | Ahodɛn a ewɔ adeɛ enam baabi a ogyina nti |
| power of ten notation | Mma a y'aye no akuoakuo edu |
| precipitation | Nsutɔ |
| predator | Deɛ okum |
| predict | Hwe pɛtɛ takra mu ka (fa w'adwene bu) |
| predictable | Wo tumi hunu deɛ erekɔ |
| prediction | Fa w'anibu na ka |
| presence | Sɛ ewɔ hɔ (mprempren) |
| preserve | Kora so |
| pressure | Nhyesɔɔ |
| prevailing | Deɛ ewɔ hɔ seesei ara |
| prevailing winds | Mframa a ewɔ hɔ seese iara |
| previous | Dada deɛ (nea atwa mu) |
| prey | Aboa ɔfoforɔ kye ne we |
| primary | Deɛ edi kan koraa |
| probable | Deɛ ebetumi aba/ebia |
| procedure | Kwan a wonam so ye |
| process | Kwan a wonam so |
| produce | ye |
| producer | nea ɔyɔɛɛ |
| product | Adeɛ a efri mu ba |
| prokaryotic | Prokaryotik |
| property | Agyapadeɛ |
| properties | Yebea ahodoɔ |

Intermediate School Level Science Glossary

| ENGLISH | TWI |
|----------------------------|--|
| protect | Bɔ ho ban |
| protein | Aduane duro proten |
| Protista | Protista |
| proton | Proton |
| provide | Fama |
| pulley | Ntwahodee |
| Punnett square | Punnet adaka |
| pupa | Osa |
| purpose | Botae |
| pushes and pulls | Apiapia ne atwetwe |
| R | |
| radiation | Radiehyen |
| radioactive | Etumi pu rediahyen |
| radioisotope | radioisotope |
| rarefaction | Seso a akyea |
| rate | Anosom |
| ray | Ɛkan |
| react | Ma anoyie |
| reactant | Nea ema muaee |
| rearrange | Hyehe bio |
| reason | Nyinaso/atirmpɔw |
| receive | Ma won sa nka/gye |
| recessive | Y'ahyeneso |
| recessive gene | Gene a ɔforɔ ahyeso |
| recognize | Hye ne nso |
| record | Kye to ho/kyerew to ho |
| rectum | Trumuu |
| recycle | Fadi dwuma bio |
| reduce | Teso |
| refer | Dane ma |
| reflect | Twa wo seso |
| reflection | Se eretwa ne se so |
| reflex | Ahokeka |
| refract | Etwa nseso a akyea |
| refraction | Se eretwa nseso a akyea |
| regulation | Hye ho mmara |
| relationship | Twaka |
| relationships in organisms | Twaka a eda abodee a ete ase ahodoɔ mu |
| relative humidity | Twaka a edada abodee mu |
| release | Gyae mu |
| relevant | Mfasoɔ wɔ so |
| remain the same | Aka ho saa |
| remains | Nkasee (nea aka) |
| renewable | Adee a yetumi nsesamu bio |
| renewable energy resource | Ahoden a efri dee a yetumi nsesamu bio |
| renewable resource | Nnepa a efri dee a yetumi nsesamu bio |

Intermediate School Level Science Glossary

| ENGLISH | TWI |
|---|--|
| repair | Siesie |
| represent | Si ananmu |
| reproduce | Wo |
| reproduction | Ɛfa awɔɔ ho |
| reproductive | Etumi wo ne sɛso |
| reptile | Mmoa kuo bi te sɛ awɔɔ n'asefoɔ (mmoa a wɔwea) |
| required | Ɛye nhyɛ (ahwehwede/ahiade) |
| resist | Si kwan (ko tia) |
| resistant to | Adeɛ ntumi no |
| resource | Nnɛpa |
| respiration | Ahomee |
| respiratory system | Ahomee ho nhyehyɛɛ |
| respond | Ma muaɛɛ/yi ano |
| response | Muaɛɛ/ano yi |
| responsible | Deɛ ntia/asede |
| restore | Hye anan mu |
| result | Deɛ ɛko wie/nea efi mu ba |
| reuse | San fa di dwuma |
| reverse | Akyiriko |
| revolution | Deɛ etwa fa ho |
| revolve | Etwa fa ho |
| rock | Botan |
| rock cycle | Botan bra ntwaho |
| role | Dwumadie |
| root | Nhini |
| rotate | Etwa ne ho |
| rotation | Ntwaho |
| runoff | Nsusuan |
| rust | Wenaakyene/nkanare |
| S | |
| saliva | Ntesuo |
| salivate | Wore twa ntesuo/ano nsu a wɔye |
| samples | Mfatoho (nhwesode ahorow) |
| scale | Nsɛnɛɛ (nsɛnia) |
| scarce | Ɛho yɛden (ɛho ye na) |
| science | Abɔdeɛ mu nyansapɛ (Abɔde mu nyansahu) |
| scientific (use appropriate scientific tools) | Ɛfa abɔdeɛ mu nyansapɛ ho (fa abɔdeɛ mu nyansapɛ ho anwenade ɛfata di dwuma) |
| scientific inquiry | Mfeefeemu wɔ Abɔdeɛ mu nyansapɛ mu |
| scientific investigation | Nhwehwemu wɔ abɔdeɛ mu nyansapɛ mu |
| scientific law | Mmara a ɛwɔ abɔdeɛ mu nyansapɛ mu |
| scientific name | Edin wɔ abɔdeɛ mu nyansapɛ mu |
| scientific thinking | Adwendwene wɔ abɔdeɛ mu nyansapɛ ho |
| scrape | Wɛwɛɛ |
| screw | Skruu |
| sea floor spreading | Bepɔ a epue epɔ ase |

Intermediate School Level Science Glossary

| ENGLISH | TWI |
|--------------------|---|
| sea level | Ɛpo gɪnabre |
| season | Mmere |
| secondary | Akyiriadeɛ/ntoaso |
| sediment | Adeɛ ada aseɛ |
| sedimentary rock | Nneɛma a adeda aseɛ na ayɛden adane botan (dɔte a adan ɔbo) |
| sedimentation | Sɛ nneɛma deda aseɛ (Senea dɔte dan abo) |
| seed | Aduaba |
| seedling | Dua a afefe |
| seep | Enwunu |
| select | Yiyi/paw |
| selective breeding | Awoɔ a ye yiyi mu |
| sense | Atenka |
| sense organ | Nipadua akwaa a enya atenka bi |
| sequencing | Ɛrehyehyɛ |
| series circuit | Nyinam fidie a edidiso |
| settle | Ada aseɛ |
| sewage | Nsu fi |
| sex cell | Sell a ɛfa nna nsem ho |
| sex cells | Sell a ɛfa nna nsem ahodoɔ ho |
| sexual | Ɛfa nna mu nsem |
| shape | Abosuo |
| shell | Konkura a edura aboa ho |
| shield volcano | Bepɔ mu nsugya |
| shiver | Awosoɔ/ahopopo |
| significant | Ehia |
| similarity | Edi nse |
| simple machine | Afidie a ennye nwonworan |
| siren | Alam |
| situation | Tebea |
| size | Adeɛ bi keɛseɛ |
| skeletal muscle | Nnompe ho ntini |
| skeletal system | Nnompe nhyehyɛɛɛ |
| shy | Fɛreɛ |
| small intestine | Nson ketewa |
| smog | Nwusie |
| smooth muscle | Ntini a ɛho tromtrom |
| soil | Anwea/dɔte |
| soil texture | Sedeɛ anwea/dɔte tee wɔ nsa ano |
| solar cell | Batre a ɛde owia na ɛkyagye |
| solar eclipse | Nsroma kye awia |
| solar energy | Tumi a efri owia mu |
| solar system | Owia nhyehyedeɛ (okyin nsoroma) |
| solid | Ɛye den |
| solidification | Ɛreyɛ den |
| solubility | senea ade tumi hono wɔ nsuo mu |

Intermediate School Level Science Glossary

| ENGLISH | TWI |
|-----------------------|---|
| solute | nea ehono gu nsu mu |
| solution | Nsuo a adeɛ anane agu mu |
| solvent | nsuo a ade anan agu mu (nsu a etumi nan de) |
| sound | ɛnee nyegyee (nnyigyeyi) |
| sound recorder | Afidie a ekye ɛnee gi ho (afiri a ekwere nnyigyeyi) |
| source | Ne farebae/fibea |
| space | Ewiemu (ahummu)/ahun mu |
| specialize | Kwadaremu (ho akokwaw mu) |
| species | Abodeɛ a ete ase kuo ankasa |
| specific | Pɔtee |
| specimens | Mfatoho (nsusuwso) |
| speed | Mmirika |
| Sperm | Barima ho nsuo nkwammoa |
| Spill | Pigu (puw gu) |
| spinal cord | Akyi brɛmo |
| Spiral | Adeɛ a etwa ne ho si fam |
| Sponge | Sapɔ |
| Spore | Mfrofrowa |
| Spring | Atwetan |
| spring scale | atwetan nseneɛ |
| Sprout | Afefe |
| Squint | Nyinya w'anim |
| Stable | Enhinhim |
| Stages | Gyinabre ahodoɔ |
| Stamen | Nhweren fa a eyɛ barima |
| Star | Nsroma |
| Starch | Stakye |
| State | Tebea |
| static charge | Kyage a etim faako |
| static electricity | Nyinam a etim faako |
| Stem | Dua mfinfnin |
| Stigma | Nhwiren fa baabi a eyɛ barima ano |
| stimulus | Nkenyan hye |
| stomach | Yafunu |
| stopwatch | Afidie a yede hwɛ bere |
| Strain | Ahokyere |
| Strategy | Ntotoeɛ |
| Strato | Strato |
| stratus cloud | Mununkum a eɛen fam |
| Streak | Nsensaneɛ a ekɔ tee |
| structural adaptation | Se wore atumi atena wo nhyehyedeɛ mu |
| structure | Nhyehyedeɛ |
| sublimation | Adeboɔ dane mframa |
| Subsoil | Anwea a ewɔ asaase mu |
| substance | Adeɛ |
| Sugar | Asikyire |

Intermediate School Level Science Glossary

| ENGLISH | TWI |
|---------------------|---|
| sulfuric acid | Sulfurik asid |
| summarize | Bɔ ne tɔfa (bɔ no mua) |
| Sun | Owia |
| supernova | Supanova (nsoroma a etu) |
| Support | Mmoa |
| Surface | Anii |
| Survey | Mfeefeemu |
| Survival | Sɛ wore tena kwan mu |
| survive, survival | tena kwa mu, wore tena nkwa mu |
| Swamp | Afrɔ mu |
| Sweat | Mfifire |
| Switch | Sesa mu |
| System | Nhyehyɛɛ |
| T | |
| Table | Ɛpono |
| table salt | Ɛnkyene a yedi |
| Tadpole | Konkontibaa |
| tape measure | Ahoma a yede susu adeɛ |
| technology | Abɛɛfo mfidie |
| telescope | Afidie a yede hwɛ adeɛ a ɛwɔ akyire yie |
| temperate | Bea awɔ wɔ hɔ |
| temperature | Adeɛ hyee anaa ne nwunu |
| temporary magnet | Stim a ennihɔ afebɔɔ |
| terrestrial planets | Kyinsroma a botan wɔ mu |
| test | Nsɔhwɛ |
| theory | Nimdeɛ mu botrimuka |
| thermal energy | Tumi a efri ɔhyew mu |
| thermometer | Afidie a yede susu adehyee |
| thunderstorm | Apranaa dwidwam |
| tide | Asrɔkye |
| tilt | Akyea |
| tilted | Ɛkyeɛ |
| time | Bere |
| tissue | Abɔdeɛ mu adeɛ |
| tool | Anwenade |
| topsoil | Anwia a ɛwɔ soro (dɔte a ɛwɔ asase ani) |
| tornado | Ohum/ahum |
| trachea | Tokro a mframa famu wɔ nipadua mu |
| trade-offs | Wore see biribi de anya biribi foforɔ |
| trait | Su |
| transfer | Yi kɔ baabi foforɔ |
| transform | Sesa kɔ tebea foforɔ mu |
| transport | Akɔneaba die |
| transport system | Akɔneabadie nhyehyɛɛ |
| transverse | Transfes tumi a amunimuni (mmeamu/ntwamu) |
| trench | Amena |

Intermediate School Level Science Glossary

| ENGLISH | TWI |
|-----------------------|--|
| trial | Nsohwe |
| tropical | Beae a awo nni so (beae a chyw wo) |
| troposphere | Ewiem nnidisoo a etwa too |
| trough | Adididaka |
| tumor | Dwoa a ehye nnipa mu |
| turbine | Droben keseɛ |
| type | Asooto (ahorow ye) |
| U | |
| unbalanced forces | Ahooɔden a ennye pe |
| undergo metamorphosis | Efa nsesaee mu |
| unequal | Ennye pe |
| unicellular | Abodee a ne sell ye baako pe |
| unifying themes | Adwenpo a edi nhyia |
| unique | Eɔa nso |
| universe | Ewiase (amansan) |
| unstable | Ennyina yie |
| V | V |
| vacuole | Ahaban mu akwaa bi |
| valley | Amena a ehye bepo mu (bon) |
| vapor | Ntutuo |
| variable | Nea etumi sesa |
| variation | Emu nsesa |
| variety | Ahodoɔ |
| vascular system | Ntinintini nhyehyeeɛ |
| vascular tissue | Ntinintini a ewo abodee mu |
| vegetable | Atosodee |
| vehicle | Kaa |
| vein | Ntini a eɔe mogya ko akoma mu |
| velocity | Mmirika |
| vertebrate | Ewo akyi dompe |
| vibrate | ewosow |
| virus | Mmoawa eɔe yaree ba |
| visible | Ani tumi hunu |
| visible light | Kanea a ani tumi hunu |
| vitamin | Nuane nnuro |
| volcanic activity | Egya a efri bepo mu dwumadie |
| volcano | Egya a efri bepo mu (bepo a apae) |
| voltmeter | Afidie a esusu nyinam ahooɔden mu tumi |
| volume | Emu keseɛ |
| W | |
| warm | Dedeɛdedee (boturobodwo) |
| water | Nsuo |
| water cycle | Nsuo ntwaho (nsu kyinhyiadi) |
| water vapor | Ntutuo |
| wavelength | Mframa teneten |

Intermediate School Level Science Glossary

| ENGLISH | TWI |
|------------------|--------------------------------------|
| weather | Ewɛm nhyehyɛɛɛ |
| weathering | Aboɔ mu nwenwɛɛ |
| wedge | Adeɛ a wɔde fa nneɛma mmienu ntɛm |
| weight | Emu duro |
| wheel and axle | ntwaho ne ahoma afidie |
| white blood cell | Mogya mu adeɛ a ɛko tia nyarewa |
| wind | Mframa/ahum |
| wind vane | Afidie a ɛkyerɛ baabi mframa ani hwɛ |
| wise | Nyansa |
| work | Adwuma |
| wrinkle | Atwintwam |
| Z | |
| zone | Bea |
| zygote | Kosua a ahane |
| | |