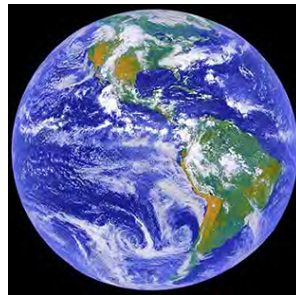


Glossary

High School Level

Physical Setting & Earth Science Glossary

English / Twi



Translation of Physical Setting & Earth Science terms based on the Coursework for Physical Setting & Earth Science Grades 9 to 12.

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



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EARTH SCIENCE GLOSSARY – HIGH SCHOOL LEVEL

ENGLISH	TWI
A	
abrasion	beae a εhɔ atwitwi
absolute age	mfe dodow ankasa
absolute humidity	nsu dodow a εwɔ wim ankasa
absolute zero	hwee ankasa
absorption	Adetwe
acid	asede
acid rain	soro nsu a asede wom
acid test	asede nsɔhwe
actual evapotranspiration	nsu a efi fam ne afifide mu kɔ soro ankasa
adiabatic temperature change	adiabatik ɔhyew/onwini nsakrae
aeration	mframa a wɔma εkɔ mu
aerobic bacteria	mmoawa a wohia mframa
aerosol	nneεma anaa nsu a εwɔ mframa mu
air mass	mframa mu duru
air pressure	mframa tumi
alkaline	alkalaini
alluvial fan	beae a asubɔnten mu trew
altitude	wim mpɛnpɛnso
anemometer	mframa mmirika ne hwebea susufiri
anaerobic bacteria	mmoawa a wonhia mframa
angle of isolation	angil a ade bi de atew ne ho
annual eclipse	afe afe kyinsoromma a esiw owia kanea
aphelion	kyinsoromma kwan beae a ene owia kwan ware sen biara
apogee	beae a ene asase kwan ware paa
apparent daily motion	da biara da kɔneaba a εda adi
apparent magnitude	kεseyε a εda adi
apparent planetary diameter	kyinsoromma tɛtɛtɛ a εda adi
arete	beae a ama so wɔ mmɛpɔw mu
arid	nsu nnim
ash	nson
atmosphere	wim
atmospheric pressure	wim tumi
atmospheric variables	wim nsakrade

EARTH SCIENCE GLOSSARY – HIGH SCHOOL LEVEL

ENGLISH	TWI
B	
barometer	wim tumi susufiri
barometric pressure	wim tumi wɔ susufiri so
barrier beach	hye mpoano
basin	beae a ɛkɔ fam
bed load	adesoa
bedrock	asase ase botan
bench mark	nea wɔde susuw
boulder	botan a atew ne ho
C	
calorie	aduan mu ahɔden susude
canyon	bun
capillary	duruben ketewa
carbon dating	mfe a wɔde kabɔn susuw
celestial object	wim abɔde
carrying power	tumi a aka
cementation	kenahye
centrifugal force	tumi a ɛtwe fi mfinimfini
chemical weathering	nnuru mu abubu
chlorofluorocarbons	kloroflorokabɔns
cirque	bepɔw mu bun
clay	anwene dɔte
cleavage	nkyem
climate	wim tebea
cloud	mununkum
cold front	mframa nwininwini anim
colloids	kolɔidi
compound	adewa nkabom
compression	ade mia
compression wave	anyinam a emia
condensation	nsudan
conduction	ade fa biribi mu
conservation of energy	tumi a wɔkora
continental drift	asasedan
continental plate	asase pon
continental climate	mmeaemmeae wim tebea
continental shelf	nsu ase a ɛbemmen asase bi
continental tropical air mass	beae bi mframa mu duru
contact metamorphism	botan adaneadan
conservation	adekora
convection	nsu mu a ɔhyew fa
convective cell	batere a nsu wom
convective	afiri a ɛma ɔhyew mframa mu
converge	hyia
coordinate system	nhyehyɛe a wɔde nɔma kyere gyinabea

EARTH SCIENCE GLOSSARY – HIGH SCHOOL LEVEL

ENGLISH	TWI
core	mfinimfini
Coriolis effect	Coriolis nsunsuanso
correlation	twaka
crater	bepɔw so amena
crust	asase ho
crystal	ahwehwɛbo
cyclic change	ntwaho nsakrae
cyclone	ntwaho mframa
D	
daily motion	da biara da kɔneaba
deficit	ɛka/nea aka
degree	pɛnpɛnso
delta	beae a asubɔnten mu trew wura foforo mu
density	mmoaboano susude
deposit	nea ɛdeda hɔ
desert	anhwea pradada
desertification	beae bi reye anhwea nkutoo
Devonian Period	Devonia Bere
dew	bosu
dew point temperature	bosu nwini
dike	po fasu
dinosaur	tete mmere mu aboa
direct ray	kanea hama a eba tee
discharge	adiyi
displacements sediments	nneɛma a efi baabi abɛdeda hɔ
distorted structure	yebea a wɔasesa no
divergence	nsonsonoe
Doppler effect	Doppler nsunsuanso
drainage	gota
drumlin	nsubo kakraka
dry bulb thermometer	mframa mu hyew susufiri
duration of insolation	owia mu da tenten
dust storm	mfuturu mframa
dynamic equilibrium	pɛye a etumi sesa
E	
earthquake	asasewosow
eccentricity	ntwaho a ne mfinimfini ye soronko
electromagnetic energy	ilektromagnetik tumi
element	abɔde mu ade
eclipse	Owia a ɛkyinsoromma wɔ wim
elliptical	nkesua yebea
energy	tumi/ahɔɔden
epicenter	asase ani beae a asasewosow fi
equilibrium	pɛye
equinox	adekyee ne adesae pɛye
erosion	asase ani tutu

EARTH SCIENCE GLOSSARY – HIGH SCHOOL LEVEL

ENGLISH	TWI
escarpment	bepɔw nkyɛnkyɛn
esker	ɛska
eutrophication	mɔɔa ne afifide akade a ekogu nsu mu
evaporation	suwusiɔ dan
F	
fault	asase mu a apae
field	asase bi
focus	beae a ani kyere
folded strata	nea ededa hɔ a abobɔ
fossil	afifide ne mɔɔa nkaede
fracture	dompe mu a abu
friction	anim abien a ɛretwitwi
front	anim
G	
geocentric model	asase mfinimfini nhwɛsode
geographic poles	asase anoano
geologic time scale	asasebɔ mmere susudua
geosyncline	abun a eda asase ani
glacier	nsubo akese
graded bedding	asase so pon ye
gradient	gredient
gravity	adetwe tumi
gram	gram
greenhouse effect	wim mframa a wɔma mu ye hyew
groundwater	fam nsu
H	
half life	bere fa
heat energy	ɔhyew ahɔɔden
heat of fusion	ɔhyew a ɛma nkabom
heat of vaporization	ɔhyew a ɛma suwusiɔ
heliocentric model	nhwɛsode
high pressure	tumi a ano ye den
horizontal	eda hɔ
horizontal sorting	nnaɔ nyiyim
humidity	nsu dodow a ɛwɔ wim
hydrosphere	wim suwusiɔ
hypothesis	bɔtirimka
I	
ice	nsubo
igneous rock	ignɔs botan
impermeable index fossil	nkaede a wɔde susuw bere a ade ntumi nwura mu
infiltration	ade mu wura
inner core	mfinimfini mu
insolation	owia mu da

EARTH SCIENCE GLOSSARY – HIGH SCHOOL LEVEL

ENGLISH	TWI
interface	beae a ahorow hyia
intrusion	beae a wowura
Intrusive igneous rock	ignɔs botan a ewura
ionosphere	wim penpenso a ilektrɔn wɔ
isobar	susuhama ma wim
isoline	asase mfonin so hama
isostasy	peye a eka asase ani
isotherm	susuhama ma chyw
isotope	isotop
J	
jet stream	soro mframa
joint	ahyiae
K	
kame	kem
kettle	sen a ewɔ ano ketewa
kinetic energy	nea erekɔ tumi
Kepler's Law of Motion	Kepler Ahokeka Mmara
L	
landscape	asase yebea
latent heat	chyw a enna adi
latitude	tetrete hama
latitudinal climate patterns	wim tebea fi atɔe kɔ apuei
lava	botan a anan
length	tenten
liter	lita
lithosphere	asase no fa a eye den
local noon	da mpaemu
longitude	tenten hama
low pressure (aired front)	tumi a eba fam (mframa anim)
luster	senea ade hyeren
M	
magma	botan a anan
magnetic declination	magnet tumi a ebre ase
mantle	asase ani ne mfinimfini adantam
marine climate	po so wim tebea
maritime polar air mass	po so anoano mframa mu duru
maritime tropical air mass	po so chyw mmeae mframa mu duru
mass	mmoano
matter	ade
meander	kwan a enye tee so fa
mean solar day	asase ntwaho bere
measurement	adesusuw
meniscus	meniskus
meridian	hama tenten fi atifi ba anafo

EARTH SCIENCE GLOSSARY – HIGH SCHOOL LEVEL

ENGLISH	TWI
metamorphic rock	metamɔfik botan
meter	susufiri/mita
mid-ocean ridge	po bepɔw mfinimfini
milli	mili
mineral	fam agude
mode	kwan
moisture	nsu dodow
moho discontinuity	asase ani ne ase hye
mountain	bepɔw
O	
observation	nea wɔhyɛ nsow
occluded front	tebea a mframa nwini twa mframahyew ho hyia ma so kɔ soro
ocean floor spreading	po ase trɛw
orbit	kyinsoroma kwan
orbital speed	kyinsoromma kwan so mmirika
organic	fa abɔde a nkwa wom ho
original horizontality	nnaɔ ankasa
outcrop	botan fa a ɛba soro
outer core	asase anim
oxidation	ɔksigyen a wɔde ka ho
P	
parallel	da ha da ha
perihelion	beae a ɛben owia paa
period	bere
permeability	sɛnea ade tumi wura mu
phase	ɔfa
plain	asase traɔ
planetary winds	kyinsoromma mframa
plateau	bepɔw a eso yɛ tratraɔ
plate tectonic theory	asase mu hyehyɛ ne ne pae ho nhomasua
polar	anoano
Polaris	Ursa Minor nsoromma a ɛhyeren sen biara
pollutants	afide
porosity	sɛnea nsu tumi fa mu
potential energy	gyinabea tumi
precipitation	nsudan
pressure gradient	tumi gradient
primary waves	mframa titiriw
prime meridian	hama tenten fi atifi ba anafo
R	
radiation	radiehyen
radioactive balance	redioaktif peyɛ
radioactive dating	mfe a wɔde redioaktif susuw
radioactive decay	redioaktif ɔporɔw
radio telescope	redio tɛlɛskop

EARTH SCIENCE GLOSSARY – HIGH SCHOOL LEVEL

ENGLISH	TWI
reargue	akyinnyegye foforo
reflection	nseso
refraction	nseso a ekyea
refracting telescope	nseso a ekyea teleskop
regolith	abo a ededa kyinsoromma bi ani so
relative age	mfe dodow a wɔde atotow
relative humidity	nsu dodow a ewɔ wim ntotode
residual sediment	fa a aka
resource	asase so/mu ade
revolution	owia ntwaho
rock	botan
rock cycle	botan dan bere
rock formation	botan hyehye
rock resistance	botan kwansiw
rotation	ntwaho
runoff	mmerososo
S	
salinity	nkyene dodow
saturation	afrade mu adedodow
scalar field	skela beae
season	wim tebea bere
secondary wages	akatusa a edi ho
sediments	nea ededa ho
sedimentary rocks	sedimentri botan
seismic waves	asasewosow ho mframa
senses	atenka ahorow
silicon-oxygen tetrahedron	ɔksiyen-silikon tetrahedron
sink (energy)	mem (tumi)
seismograph	asasewosow susuw
slope	beae a esian
soil horizon	dɔte mu penpenso bi
soil profile	dɔte mu nhyehyee
soil storage	dɔte kora
solar noon	asase ntwaho bere fa
solar system	kyinsoromma ahorow ne owia nhyehyee
solid	ade a eyɛ den
solidification	denye
solstices	mmere a asase ne owia ntam ware paa
sorting of sediments	nea abededa ho nyiyim
source (energy)	fibe (tumi)
source (region)	fibe (beae)
specific heat	ɔhyew pɔtee
species	mnea/afide kuw ketewa
stationary front	gyinabea a esi pi
strata	penpenso ahorow
streak	ade ntoatoaso
stream bed	beae a na asubɔnten wɔ

EARTH SCIENCE GLOSSARY – HIGH SCHOOL LEVEL

ENGLISH	TWI
stream discharge	asubɔntenyi
subsidence	fam kɔ
sundial	bere susufiri a ɛde sunsuma di dwuma
sublimation	mframa dan
superposition	ade da foforo so
surplus	mmoroso
suspension	nsu a emu ade ne no mfra
syncline	bun
T	
technology	abɛɛfo mfidwuma
tectonics	asase no hyehye ne ne papae ho nhomasua
temperature	ɔhyew/onwini pɛnpɛnso
terrestrial motions	asase so kɔneaba
texture	nea ɛte wɔ nsam
tilted strata	nea ɛdeda hɔ a akyea
time	bere
topographic map	abɔde ne nea nnipa aye abusuabɔ ho mfonin
track	kwan
transformation	nsakrae
transition	fi kɔ foforo mu
transpiration	suwusiw a efi nhaban mu
transport	ade a wɔde kɔ beae foforo
transporting system	nhyehye a wɔde ade kɔ beae foforo
transverse wave	mframa a esen
U	
ultraviolet	ɔltravaolet
uplifting force	tumi a ɛma ade kɔ soro
uranium	uranioɔm
usage	sɛnea wɔde di dwuma
V	
valley glacier	bun mu nsubo akese
vapor	suwusiw
vapor pressure	suwusiw tumi
variable	nea esesa
vector field	fekta beae
vein	ntini
vertical	egyina hɔ
visible light spectrum	kanea nhama a wohu
visibility	sɛnea wotumi hu ade
volcano	tokuru a ɛda bepɔw ano
volcanic ash	bepɔw ano tokuru nson
volume	kɛseyɛ

EARTH SCIENCE GLOSSARY – HIGH SCHOOL LEVEL

ENGLISH	TWI
W	
waning	eso retew
warm front	mframa hyehyew anim
water budget	nsu dodow nhyehyɛ
water cycle	nsu kyinhya
water purification	nsu mu kurunyennyɛ
water shed	beae a asubɔnten ne nsuwansuwa boa ano
water table	asase ase pɛnpɛnso a ɛda nsu so
water vapor	suwusiw
wavelength	mframa tenten
waxing	kɛseyɛ
weather prediction	wim tebea nkɔmhyɛ
weathering	abubu
weight	ade mu duru
wind	mframa
Y	
year	afe