



HIGH SCHOOL SCIENCE GLOSSARY

For use on the Maine Science Assessment

English / Somali

This bilingual word-to-word glossary without definitions is a PERMITTED DESIGNATED SUPPORT for multilingual learners (MLs) participating in the MAINE SCIENCE ASSESSMENT.

This glossary, or a similar bilingual word-to-word glossary without definitions, should also be used for INSTRUCTION during the school year. An electronic bilingual word-to-word glossary can be used during instruction.

The glossary may be downloaded, printed, and disseminated to educators, parents, and students.

For more information on accessibility features for the Maine Science Assessment, including universal tools, designated supports, and accommodations, please see the Accessibility Guide, located on the Maine Science Support Page (<https://mescience.zendesk.com/>).

Last edit: January 2025

ENGLISH	SOMALI
A	
Abiotic	ma noole
Absorb	nuug
Absorption	nuugid
Accelerate	karaar
Acceleration	karaarid
Accuracy	saxnaan
Acid	asiidh
Acidic	asiidheed
Action	fal
Activity	dhaqdhaqaaq
Adaptation	la-qabsi
Adhesive	qalaad-isjiidad leh
Adult	qaangaadh
aerobic respiration	neefsasho ogsojiin leh
Agar	agar
Agile	dhaqaaq-fudud
Agriculture	beerfalasho
air pollution	dikhawga hawada
air resistance	caabbinta hawada
Algae	alji
Alkaline	alkali
Allele	aliil
Allergy	jidh-diid
Alternate	talantaalli
Altitude	joog
amino acid	amiino asiidh
Ammonium	amooniyam
Ampere	ambiyeer
Amphibian	berri-biyood
Amplitude	qoton
Anaerobic	aan ogsojiin lahayn
Analysis	falanqayn
Angle	xagal
angle of incidence	xagal-abbaar
Animal	xayawaan
Anode	qotin-togane
Antibody	lid-jidhgale
Aquarium	saxan saba biyood
Aquatic	biyood
Aquifer	biyaside-lakabeed
Arc	qaanso
Arches	qaansooyin
Area	bed
Arid	oommane

ENGLISH	SOMALI
Arrow	fallaadh
artificial selection	doorasho dad-samee ah
asexual reproduction	taran jinsi-laawe ah
Asteroid	astarooyd
astronomer	xiddigiye
Astronomical Unit	Halbeegga Xiddigiska
Athlete	ciyaaryahan
atmosphere	atmosfiyeer
Atom	atam
atomic mass	cufka atamka
atomic mass unit	halbeegga cufka atamka
atomic number	lambarka atamka
Attract	soo jiitaa
Attraction	soo jiidasho
Average	celcelis
Axis	udub-dhexaad
B	
Bacteria	bacteeriya
Balance	miisaan
barometer	baaroomitir
Basalt	basalt
Base	beys
Battery	baytari
Beach	xeeb yar
Beaker	bakeeri
Bedrock	dhadhaab saleed
Behavior	habdhaqan
Big Bang (theory)	Qaraxa Weyn (aragti)
biochemical	kiimikada noolaha
biodiversity	kala duwanaanta noolaha
Biome	bay'ad noole
Biotic	naflay
black hole	god madaw
Blood	dhiig
Boiling	karitaan
boiling point	heerkulka karitaanka
Bond	dabar
Bonding	dabrid
Bone	laf
Boulder	caydhiin
Boundary	xad
Brain	maskaxda
Breathing	neefsasho
Breeding	taranka
Bubble	xumbo

ENGLISH	SOMALI
Buffer	xijaab
Buoyancy	caabbin dareereed
buoyant force	xoogga caabbin dareereedka
C	
Calcium	kaalshiyam
Calorie	kalori
camouflage	isqarin
Canyon	qow weyn
Capacitor	madhxiye
Capacity	qaad
carbohydrate	kaarboohaydarayt
Carbon	kaarboon
carbon dating	taariikhaynta kaarboonka
carbon dioxide	kaarboon dhayogsaydh
Carnivore	hilib-cun
Catalyst	kalkaale
Cathode	qotin-tabane
Cell	unug
cell division	qaybsanka unugga
cell membrane	xuubka unuga
cell wall	gidaarka unuga
cellular respiration	neefsiga unugeed
Celsius	Selshiyas
Cement	shamiito
cementation	shamiitayn
Cenozoic Era	waagii senosayka
centi-	senti-
Centrifuge	weedhaamiye
centripetal force	xoog ku xudun
Charge	saldanab
Charged	saldanabaysan
chemical change	isbeddel kiimikaad
chemical property	astaa kiimikaad
chemical reaction	falgal kiimikaad
Chemistry	kimistari
Chloride	kalooraaydh
chlorophyll	cagaariye
chloroplast	cagaarside
chronological	nidaamsan wakhti ahaan
Circuit	mareeg
Claim	sheegasho
classification	kala soocid
Classify	kala sooc
Climate	cimilada
climate change	isbeddelka cimilada

ENGLISH	SOMALI
Clone	koobiyeyn noole
Cloud	daruur
Coal	dhuxul-dhagax
coarse	qallafsan
coast	xeeb
codon	codon
Coil	duub
collision	is-hirdi
combination	wadajir
combustion	gubasho
common ancestor	awoow wadaag ah
compass	jiheeye
complex	murakab
composition	ka samaysan
compound	iskudhis
compression	diismo
concave	golxo
concentration	Ribnaan
conclusion	gunaanad
condensation	uumihaarshow
conduction	gudbin
conductivity	gudbitaan
conservation	waarid
constant	madoorsoome
container	weel
continent	qaarad
continental drift	kala-durug qaaradeed
continental plate	dhadhaab qaaradeed
control	xakameyn
controlled variable	doorsoome la joogteeyo
convection	gudbinta kulka ee neefta/dareeraha
converge	kulma
Core	xudun
Coriolis effect	saameynta Coriolis
correlate	isku-xidh
correlation	isku-xidhnaan
corrosion	daxalka
covalent bond	dabar wadaag
cover	dabool
crater	karaytar
crest	fig
crust	jidhif
crystal	wiriq
crystalline	wiriqeed
crystallization	wiriqayn

ENGLISH	SOMALI
cubic meter	mitir saddex jibbaaran
current	qulqul
curve	xoodan
D	
Dam	dhaam
Data	xog
decay	mataatax
deceleration	karaar-dhimid
decibel	decibel
decomposer	kala bixiye
decomposition	kala bax
decrease	dhimid
detector	dareeme
defective	iin leh
deforestation	dhir-jarid
degree	digrii
dehydration	fuuqbax
dense	cufan
density	cufnaan
dependent variable	doorsoom aan madax banaaneyn
deposition	tuulimaad
desert	saxare
design	naqshad
deuterium	diyuuteeriyam
development	horumar
Dew	dharab
diagram	jaantus
diameter	dhexroor
diamond	dheeman
Diet	cunto dheelitiran
diffraction	gadaalbaah
dilation	isbeddel mugeed
dilute solution	milanka badhxaan
dinosaur	diinaasoor
disintegrate	burbur
dispersion	firdhin
disprove	burin
dissolution	kala baxid
dissolve	kala bax
divergent boundaries	xuduudo kala tagsan
DNA	DNA
dominant	shiiqiye
Doppler effect	raadka dobler
Doppler shift	isbeddelka dobler
dormant	hogte

ENGLISH	SOMALI
dot diagram	jaantuska dhibcaha
double bond	dabar lammaan
Drag	jiida
Drift	xarfasho
dynamic equilibrium	dheellitirnaanta daynaamikada ah
E	
Earth	Dhulka
earthquake	dhul-gariir
Echo	dayaan
eclipse	madoobaad
ecological	ikoolaji
ecosystem	habdhis degaan
effect	saamayn
Egg	beed/ugxan
electric current	qulqulka korontada
electrical conductivity	gudbinta korontada
electrode	qotin
electromagnetic spectrum	jeegaan birlabdanabeed
electron	elegtaroon
electron configuration	ratibaad elegtaroon
electronegativity	elegtarootabnaan
element	curiye
elevation	kor u qaadid
embryological	imbiriyolajiyeed
embryonic	uur jiifeed
emission	bixin
emission spectrum	jeegaan bixin
endothermic reaction	falgal kulqaate
energy	tamar
engineer	injineer
environment	bay'ad
entropy	entaroobi
enzyme	insaym
equation	isle'eg
equator	dhulbadhe
equilibrium	dheelitiran
equipment	qalab
Era	waa
erosion	nabaad-guur
Error	gef
erupt	burqa
eruption	burqasho
estuaries	afaaf-webiyeeddo
eukaryotic cell	unugga leh bu' xuub ku dahaadhan
eutrophication	dhiyeelashada biyaha

ENGLISH	SOMALI
evaporation	uumibax
evidence	caddayn
evolution	tadawur
evolve	tadawura
excess	xad-dhaaf
exercise	jimicsi
existence	jiritaan
exothermic reaction	falgal kul-bixineed
experiment	tijaabo
explanation	sharraxaad
explosive	qarxa
exposed	baylahsan
extinct	dabargo'
extraction	soo bixin
F	
family	qoys
Fat	dux
Fault	khalad
feedback	ra'yi-celin
fermentation	khamiirin
fertilizer	bacrimiye
Field	aag
Final	kama dambeys
fission	dhanbalan
flame	olol
Flask	falaasad
Flaw	cillad
Float	sabayn
Fog	dhedo
food chain	silsiladda cuntada
food web	shabakadda cuntada
Force	xoog
formula	qaaciido
fossil	foosil
fossil fuel	shidaal ka samaysmay hadhaaga noolaha
fossilization	foosil garoobid
free-fall	u dhaqaaqa dhanka hoose ee uu sababo cuf-is-jiidadku
freezing	barafawga
freezing point	heerkulka barafawga
frequency	rakaad
friction	islis
frozen	barafaysan
Fuel	shidaal
fungi	fangaay

ENGLISH	SOMALI
funnel	masaf
fusion	isku-dheg
G	
galaxy	galagsi
gamma rays	fallaadhaha gaamada
Gas	neef
gas phase	marxaladda neefta
gaseous	neefeed
Gel	jel
Gene	hidde-side
generation	soo saarid
genetic	hidde-side
genotype	nooca hiddasidaha
geologic	jiyoolajiyeed
geologic time scale	miisaanka wakhtiga jiyoolajiyeed
Giga	giga
glacier	baraf durdur
gland	qanjidh
glass	quraarad
global warming	korodhka heerkulka adduunka
glucose	guluukoos
goggles	muraayado
gonad	qanjidh tarweed
graduated cylinder	dhululubo cabbiran
Gram	giraam
granite	garanayt
graph	garaaf
gravity	cuf-is-jiidadka dhulka
greenhouse effect	raad guri cagaar
greenhouse gas	neef guri cagaar
Group	koox
H	
habitat	sabo
half-life	cimri-badh
halogens	haloojiinis
hardness	adkaansho
Hatch	beed-kicin
Heat	kulaylka
heat energy	tamarta kulaylka
heat transfer	wareejinta kulaylka
hemisphere	heemisfiyeer
herbivore	dhir-cun
Hertz	hertis
heterozygous	hitrosaygos

ENGLISH	SOMALI
homeostasis	homiyostasis
homozygous	isku kaan
horizon	ufuq
humidity	huur
hurricane	duufaan
hydraulic	biyood
hydrogen	haydarojiin
hypothesis	afeef
I	
Ice	baraf
iceberg	buur-barafeed
igneous rock	dhadhaabo shiileed
Ignite	shidid
impact	dhacdo
independent variable	doorsoome madax bannaan
indicator	muujiye
Inertia	wahsi
Inflate	naqas-ku-buuxin
infrared	ka-hoos-casaan
Initial	bilaw
inorganic	orgaanig-ma-ahe
insecticide	cayayaan-dile
instantaneous	degdeg ah
insulated	dahaadhan
intensity	itaal
interaction	falgal
intermediate	dhexaad
invasive species	sinjiyada khatarta ku ah deegaanka
invertebrate	laf dhabar laawe
investigate	baadh
investigation	baadhis
Iodine	ayoodhiin
Ion	aayoon
ionic bond	dabar aayooneed
Iron	bir
isotope	isku god
J	
jet stream	qulqul dhuundhas
Joule	juul
K	
Kelvin	Kelvin
kilo-	kiiloo-
kinetic energy	tamar socod

ENGLISH	SOMALI
L	
laboratory	shaybaadh
Lake	har
landfill	qashinqub
landscape	muuqaal dhul
Laser	laysar
latitude	alool
Lava	laafa
lava flow	qulqulka laafada
law of conservation of mass	sharciga ilaalinta cufka
Lead	liidh
Lens	bikaaco
Lever	hordhac
life cycle	meertada nolosha
Light	iftiin
limestone	dhagax-nuuradeed
Line	layn
linear	toosan
Lipid	dux
Liquid	dareere
Liter	litir
lithosphere	litosfiyeer
litmus paper	warqadda litmas
longitude	dhig
longitudinal wave	hir dhereran
lumen	luuman
Lunar	dayaxeed
luster	birriiq
life cycle	meertada nolosha
Light	iftiin
limestone	dhagax-nuuradeed
Line	layn
linear	toosan
Lipid	dux
Liquid	dareere
Liter	litir
lithosphere	litosfiyeer
litmus paper	warqadda litmas
longitude	dhig
longitudinal wave	hir dhereran
lumen	luuman
Lunar	dayaxeed
luster	birriiq
M	

ENGLISH	SOMALI
magma	maagma
magnet	birlab
magnetic field	badadda birlabta
magnification	birlabayn
magnitude	weynaanta
mantle	carro-jiif
Mars	Maaris
Mass	cuf
matter	maatar
measurement	cabbiraad
mechanism	farsamo
medium	dhextaal
Mega	meega
melting	dhalaalitaan
melting point	heerkulka dhalaalitaanka
Mesh	shebekad
messenger RNA	RNA da dhanbaalsidaha ah
metabolism	metaboolisam
metal	bir
metallic	bireed
metamorphic rock	dhadhaab dhalanrogan
meteor	waran-cireed
meteorite	cir-kasoo-dhac
micro-	maykaroo
microbe	maykarooob
microscope	weynayso
mid-ocean ridges	lafaha badweynta badhtankeeda
milli-	milli-
mimicry	ku dayasho
mineral	macdan
mirror	muraayad
miscible	isku darsami kara
mitochondria	maytakoondariya
mitosis	maytoosis
mixture	isku-dar
model	moodeel
modify	wax-ka-beddel
moisture	qoyaan
molecule	molokuyuul
momentum	daafad
moon	dayax
motion	socod
mountain	buur
mouth	af
movement	dhaqdhaqaaq

ENGLISH	SOMALI
muscle	muruq
mussel	lohod
mutate(d)	dhalangeddis hiddaside ku dhacay
mutation	dhalangeddis hiddaside
N	
nano-	naano
natural selection	doorasho dabiici ah
nebula	sadiim
negative	taban
negative feedback	ra'yi-celin taban
nerve cell (neuron)	unug neerfeed (niyuuroon)
net force	xoogga xaasilka ah
neutral	dhexdhexaad ah
neutron	niyuutaroon
neutron star	xidigta niyuutaroon
Newton	Niyuutan
nitrogen	naytarajin
nonmetal	bir-ma-ahe
nonrenewable	aan-la-cusboonaysiin karin
North Pole	Cidhifka Waqooyi
nuclear fusion	isudheg bu'eed
nucleus	bu'
number	tiro
nutrient	nafaqo
O	
observation	u-kuur-gal
oceanic crust	jidhif badweyn
Octet	oktet
offspring	dhal
Ohm	Oom
Oil	saliid
omnivore	dhir-iyo-hilib cun
optical	arageed
Orbit	wareeg
Order	nidaam
organ	xubin
organic	orgaanig
organism	noole
oscillate	walhad
osmosis	osmoosis
oxidation	ogsojiinayn
oxygen	ogsojiin
ozone	oson
P	

ENGLISH	SOMALI
Pair	lammaane
parallel	barbaryaac
particle	walax
Path	dhabbo
pattern	qaab
pedigree chart	jaantus hidde-wadareed
period	kal
periodic table	jadwalka atamada
permafrost	beermaforosti
petri dish	weelka petri
pH meter	cabbirka pH
pH scale	miisaanka pH
phase	marxaladda
phenomenon	dhacdo qayru-caadi ah
phenotype	muuqsheeg
photon	footon
photosynthesis	footoosayntasis
physical change	isbeddel kiimikaad
physical property	astaaan kiimikaad
physiological	fisiyoolajiyad
phytoplankton	alji badeedka yaryar
pico-	biiko-
pigment	midabside
Pitch	danan
Plain	salax
plastic	balaastig
plate boundary	meesha ay isugu yimaaddaan laba dhadhaab
plate tectonic theory	aragtida gilgilka dhadhaabyada
plateau	dul
plume	baal
Pluto	buluuto
Point	bar
polar molecule	molokuyuul boolar ah
Pole	cidhif
pollution	dikhaw
polymer	boolimir
population	dadweyne
porous	daloolo leh
positive	taban
positive feedback	ra'yi-celin togan
potassium	bootaashiyam
potential energy	tamar joog
Pour	shubid
power	awood
precipitant	ruushiyoobe

ENGLISH	SOMALI
precipitate	ruushi
precipitation	ruushiyeyn
predator	ugaadhsade
predict	saadaal
pressure	cadaadis
Prey	ugaadh
primary	koowaad
primary consumer	adeegsadaha koowaad
Prism	birisam
probability	suuragalnimo
procedure	habraac
process	hab
producer	soo saare
product	maxsuul
projectile	walax la gano
prominent	muuqda
proportional	saamiyeed
propose	soo jeedin
protein	borotiin
proton	borotoon
pulley	kabaal
Pulse	garaaca wadnaha
Push	riixid
P-wave	hirka-P
Q	
quality	tayo
quantity	tiro
R	
radio wave	hirka raadiyaha
radiometric dating	taariikhaynta cabbirkaaheed
radioactive decay	mataaxa kaahfal
rainbow	jeegaan
Range	baaxadda
Rare	naadir
Rate	qiimaha
Ray	fallaadh
reactant	falgale
reaction	falgal
reagent	falgaliye
reasoning	sababeyn
recessive gene	hiddaside shiiqsane
recombinant DNA	DNA da dib loo habeeyey
recycling	dib-u-warshadeyn
red giant	cimlaaqa cas "xidig"

ENGLISH	SOMALI
red-shift	isbeddelka-cas
reference point	barta tixraaca
reflect	noqda
reflection	noqod
refract	qalloocda
refraction	qalloocad
related	la xidhiidha/qaraabo la ah
relationship	xidhiidh
relative age	da'da nisbiga ah
replication	soo noqnoqod
reproduction	taran
reptile	xamaarato
repulsion	didin
research	cilmibaadhis
resistance	caabbin
resource	khayraad
result	natiijo
reversible reaction	falgal sidiisii lagu soo celin karo
ridges	lafo
Robot	roobod
Rock	dhagax
rocket	saaruukh
rotation	wareeg
rough	raf
runoff	daad
S	
salinity	milxanaanta
salmon	kalluunka saalmon
Salt	milix
sample	muunad
sandstone	dhagax-ciideed
satellite	satalayd
Scale	miisaanka
science	saynis
scientific law	sharci sayniseed
scissors	maqas
screen	shaashad
seamount	buur-badeed
seasons	xilliyo
secondary wave	hirka xiga
sediment	degid
sedimentary rock	dhadhaab lakabeed
sedimentation	dejin
seismic wave	hir dhulgariir
semiconductor	in-gudbiye

ENGLISH	SOMALI
senses	dareemo
sensory	dareen-wade
series	tax
setup	rakibid
sexual reproduction	taran jinsiyeed
shadow	hadh
Shell	qolof
shield	dahaadh
simulation	ku dayasho
sodium	soodhiyam
Soil	carro
solar system	habdhiska qorraxda
Solid	adke
solidification	adkeyn
solubility	milmidda
solubility curve	xoodanka milmidda
solution	milan
sonar	soonar
sound wave	hirka jabaqda
South Pole	Cidhifka Koonfureed
spawn	beed-dhigid
species	sinji
specific heat	kul cayiman
spectral lines	xarriijimaha jeegaanta
spectroscopy	falanqaynta jeegaanta
speed	xawaare
sphere	walax goobo ah
Spin	winiin
Star	xiddig
straight	toosan
strength	awood
structure	qaabdhismeed
subatomic	qaybaha atamka
sublimation	adke-uumiyoobe
submerge	aasan
substance	walax
substrate	kobta nooluhu ku dul nool yahay
succession	isdabajoog
sulfur	salfar
Sun	Cadceed
supernova	subarnoofa
support	taageere
surface	oogo
survival	badbaado
suspension	heehaab

ENGLISH	SOMALI
S-wave	hirka-S
sweat	dhidid
swing	walhanaya
synthesis	sameyn
system	nidaam
T	
technology	tiknoolajiyad
tectonic plate	dhadhaab gilgileed
telescope	teleskoob
temperature	heerkul
temporary	ku-meel-gaadh
tension	cigsanaan
terrestrial	berriyeed
test tube	tuyuubka shaybaadhka
texture	samayska
Thaw	sayax
theory	aragti
thermal	kul
thermometer	heerkulbeeg
Tilt	weecsan
Time	wakhti
tincture	daawo dareere ah
titration	mitimis
tongs	birqaab
Torr	torr
Trait	sifo
trajectory	xood-gantaal
transfer	wareejin
transmit	gudbin
transpiration	uumi-saarid
transport	gaadiid
transverse wave	hir gudban
trench	dhufays
Trial	tijaabo
Tube	tuyuub
U	
ultraviolet light	iftiinka altarafayolet
ultraviolet radiation	kaaha altarafayolet
uranium	yuraaniyam
Unit	halbeeg
universe	caalam
unstable	aan deganeyn
V	
vacuum	madhan

ENGLISH	SOMALI
valence electrons	elegtarnoono kaaftoon
Value	qiime
vapor	uumi
variable	doorsoome
vehicle	gaadhi
velocity	kaynaan
vibrate	gariir
vibration	gariirid
vinegar	khal
Virus	fayras
viscosity	isjiidasho
viscous liquid	dareere isjiidanaya
visible	muuqda
visible spectrum	jeegaan muuqata
volcano	folkaano
voltage	fooltayj
volume	mug
W	
waste	dayac
water	biyo
water cycle	meertada biyaha
water vapor	uumiga biyaha
Wave	hir
wavelength	dhererka hirka
weather	cimilo
weathering	dhagax burbur
weight	miisaan
Wind	dabayl
X	
x-ray	raajo
Y	
Year	sanad