

# Glossary

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## Elementary School Level Science Glossary

**English / Mandinka**

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

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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	MANDINKA
<b>A</b>	
absorb	susulo
acceleration	tériyalo
acid rain	sanjimwo acido
adapt	khala bin ama
adaptation	labinno
adjust	khalabin
air	fogno
air pressure	fogno fango
air resistance	fogno la sisinno
alto	altoo
amount	songo
amphibian	amphibiano
analyze	analiso
anemometer	anémométéro
animal	békhanwo
apply	kha ké
around	mafanwo
arrange	tobin
artery	fassajulo
arthropod	arthropodo
asteroid	astéroldo
atmosphere	atmosphéro
atom	atomo
axis	axisso
<b>B</b>	
balance	balansso
balanced forces	balansso fango
bar graph	baro grapho
barometer	barométro
battery	batiro
behavior	makhagna
beneficial	tonno sotota
best	mun bétéyata
bird	kono
blink	jibéro
block	datakhon
blood tissue	jélo tissuwo
blood vessel	jélo tambi dula
body heat	ballo gandiya
bone	kuloo
bone tissue	kulo tissuwo

## SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

ENGLISH	MANDINKA
brain	khakilo
breathe	niilakilo
bronchi	broncho
buoyant force	féya fango
<b>C</b>	
calculator	jatélila
camera	caméra
camouflage	nogunno
capillary	jélo tambi silo
carnivore	mbékhanwo minsi sugo domo
caterpillar	caterpillaro
cause-and-effect	sababo-ani kéélo
cell	célulo
cell membrane	membrano célula
cell wall	muro célula
Celsius (C°)	Célcioso (C°)
centimeter (cm)	centiméto( cm)
central nervous system	khakilo témo sistémo
change	falinwo
change of direction	silo falin
change of motion	minimino falin
change of speed	tériya falin
characteristic	characterístiko
chemical	chimiko
chemical change	chimiko falinwo
chemical property	chimiko properté
chemical weathering	chimiko climanwo
chlorophyll	chlorophilo
chloroplast	chroroplasto
choose	ata
cinder cone volcano	volkanwo cono buguto
circuit	kuran filo
circulatory system	tambi dulalu sistémo
cirro-	sirro
cirrus cloud	cirruso sanwo
classification	talalo
classify	khatala
claws	soniwo
climate	climanwo
cloud	sanwo
collect	kamaro
color	culoro

## SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

ENGLISH	MANDINKA
column	colono
comet	sankuro
common	abékiling
community	mokholu
compare	minsi ibognokhonto
compass	compa
competition	gnokhon sawalo
composite volcano	colcanwo finwo do
compost pile	pilo composo
compound	suwo
compound microscope	microscopo suwo
computer	ordinato
conclusion	conclusiyon
condensation	condensasiyon
condition	kégna
conduction	alaborigna
conductivity	borolilo
conductors	munsa la bori
conservation	maralo
consumer	domolila
contain	abakono
container	conténéro
content	séwo
convection	convécsiyon
crest	cresto
crust	nugo
crystal	kuro
cubic centimeter	centiméto cubiko
cycle	ciclo
cytoplasm	citoplasmo
<b>D</b>	
dam	khalaloo
data	mara dula
data table	mara dula tablo
decomposer	atolita
decrease	ajita
define	khé tokho diyala
definite	fransiling
density	densité
deposition	déposisiyon
derived	abota minna
describe	afo

## SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

ENGLISH	MANDINKA
design	aformo
development	dévelopemenwo
diagram	diagramo
die	sayaa
difference	minkhi tala
digestive system	domoli nugo sistémo
direction	silo
directly	silá kiling
discuss	kathiaa
disperse	jinsinwo
distance	janjaya
distribute	diilo
draw	déssino
<b>E</b>	
earth	dugukulo
earthquake	dugukulu jarjara
earthworm	dugukulo dandiya
eat	domolo
echo	échoo
ecosystem	écosistémo
effect	kéélo
efficient	éficasilin
egg	kilo
electric	électriko
electric current	elléctriko mimbé bori kan
electrical energy	electriko kuranwo
electromagnet	électromagnéto
electromagnetism	électromagnétismo
electron	électrono
elements	finwolu
elevation	kalawuli
eliminate	kha bojé féring
emit	kha janja
energy	kuranwo
energy resources	résursso kuranwo
environment	environmenwo
equal	kilin lému
erosion	bankulawoyo
error	filo
eruption	taawulo
esophagus	ésophaguso
establish	asiguita

## SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

ENGLISH	MANDINKA
estimate	éstimé
estimation	éstimasiyon
evaluate	kha évaluyé
evaporate	khé takha tilo féé
evaporation	khala takha tilola
evidence	togna
example	exemplo
exercise	exercisso
exoskeleton	exomokhokulo
experiment	kékaranwokala
explain	kha gnfo
external	konofinwo
eyes	gnaa kuto
<b>F</b>	
fact	munkéta
factor	factoro
Fahrenheit (°F)	Fahrenheito (°F)
fault	inoo
feather	siyaman
feature	finwo
features	finwolu
fins	fino
fish	jégo
fixed pulley	fanukrun sitinin
float	abélaring jiwo santo
flood	waamé
flowers	florolu
food chain	domoli chéno
food web	domoli wébo
force	simbo
form	formo
former	kha formé
formula	formulo
fossil	dingo
fossil fuel	essensso dingo
frequency	frenquensso
friction	jossilo
fruit	yiridinwo
fulcrum	fulcrumo
function	foncsiyon
fur	furo

## SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

ENGLISH	MANDINKA
<b>G</b>	
galaxy	sangulo santo finwo
gas	gasso
generation	générasiyon
generator	généramento
germinate	fallinno
germination	khéfallin
glacier	glaciéro
graduated cylinder	fin kaffuta cilindro mimma
gram (g)	gramo (g)
graph	grapho
graphic	graphiko
gravity	gravito
greatest	warman baa
green plant	yirifito buluma
ground	dugoma
groundwater	jiwo koto lala
grow	bogna
growth	yirwa
<b>H</b>	
habitat	sigui dula
hail	kulé
hair	kunsino
hand lens	bululenso
hardness	goléya
harmful	assi barmalo ké
health	kéndéya
healthy habit	fanu kéndéman
hearth	dugukulo
hearth muscle	duoso fasso
heat	gandiya
heat energy	gandiya kuranwo
herbivore	bing domola
hibernation	khé domolo dabula
host	dunanwo
human	khadamadindwo
humidity	fanna jigu
hurricane	hurricano
hygrometer	higrométéro
Hypothesis	hipotésó



## SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

ENGLISH	MANDINKA
<b>I</b>	
identify	malono
identical	abékiling
igneous rock	taa kuro
illuminate	asi manamana
illustrate	kagnading
inclined plane	plato béjinkéring
increase	do kaffu
Independent variable	variablo munbi ifagné
indicate	yitalo
inference	inférenso
information	kibaro
inherit	ana wuluta
inherited adaption	ani adapsion un wuluta
inherited trait	ani tré mu wuluta
inquiry	gnininkaro
insect	tumbo
insulator	insulatoro
interact	intéreacto
internal	mimbé konoto
interpret	firino
interval	itémalala
invertebrate	duguma finwo
investigate	kha gnagnining
<b>J</b>	
jaw	gniwo
jellyfish	jéllijégo
joint	dénni
journal	journalo kayto
<b>K</b>	
kilogram (kg)	kilogramo (kg)
kiloliter (kl)	kilolitro (kl)
kilometer (km)	kilométró (km)
kinetic energy	kinétiko kuranwo
kingdom	mansakunda
kitten	gninadingwo
knowledge	lonno

## SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

ENGLISH	MANDINKA
<b>L</b>	
label	labelo
land	banko
landslide	banko boyo
large intestine	nugu janjamanw
larva	tumbu
latitude	janjaya
lava	lavo
leaf	tito
learned	a karanta
learned adaptation	a karanta khé bin ama
least	khali
leaves	fitolu
leg	singwo
length	loo
levee	wulilo
lever	mutaranwo
life cycle	baluwociclo
life span	baluwo
light	lampo
lighting	manamano
line graph	grapho ligno
lines of force	lignolu fango
liquid	jiwo
list	listo
liter (L)	litro (l)
live	dakho
living	dakhaling
living thing	fin dakhalinwo
location	luwasso
lunar eclipse	karu yélémo
lungs	duosso kunwo
luster	manalin
<b>M</b>	
magma	taajiwo
magnet	magnéto
magnetic field	magnétiko kéna
magnetic force	magnétiko fango
magnetism	magnétismo
magnifier	minsa gnigna
maintain	kha muta
major	minkha bun

## SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

ENGLISH	MANDINKA
mammal	sinwo bé békhan minna
mass	fango
mates	khatugu
matter	finwoni
measure	mésuro
mechanical	méchaniko
mechanical energy	méchaniko kuranwo
metamorphic rock	métamorphiko kuro
metamorphosis	métamotphosisso
meter (m)	météro (m)
meter stick	météro colélanwo
method	kégna
metric ruler	métriko régulo
microscope	microscopo
migration	mokholu la naalo saté kono
milligram (mg)	milligramo (mg)
millimeter (mm)	millimétéro (mm)
mineral	munsi minno
mitochondria	mitochondrio
mixture	gnakhamo
models	modélo
moisture	gniguring
molecule	moléculo
mollusk	mollusko
motion	minimino
motor	motoro
mouth	daa
movable pulley	ruwo munsi bonno
muscle tissue	fasso tisso
muscular system	fasso sistémo
<b>N</b>	
nail	soniwo
natural events	tumo normalinwo
negative	négativo
nervous system	khakilo sistémo
neuron	khakili nugo
niche	noko la gnakho
nimbus	nimbuso
nonliving thing	fin munté baluling
nonrenewable	amésinno kélakutaya
nonrenewable energy resource	kuranwo résurso minté sino khéla kutaya
nose	nuwo

## SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

ENGLISH	MANDINKA
nucleus	nucleuso
number	niméro
nutrient	nutrienwo
<b>O</b>	
object	finwo
objective lens	finwo lenso
observable	asi jibéno
observation	jibélo
observe	ajibé
obtained	asotota
occur	akéta
odor	assumo
offspring	tilimo n'tala
omnivore	sugu domola
opinion	khakila kumo
orbit	orbito
order	yamaro
organ	organo
organ system	organo sistémo
organism	organismo
organize	organisé
original	oiginalo
ovary	wulu nugo
overabundance	adama tambita
ozone	ozono
<b>P</b>	
parallel circuit	fil julu paralélo
parasite	parasito
path	silo
pattern	noo
percent, percentage	pursenwo , purcentajo
period	wato
permanent magnet	magnéto min bijé kdanw
phases	phasolu
phenomena	phénoméno
photosynthesis	photosinthesisso
physical	phisicalo
physical change	phisicalo falinno
physical environment	phisicalo environmenwo
physical property	phisicalo propertélu
physical weathering	phisicalo climenwo
pie graph	pie grapho

## SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

ENGLISH	MANDINKA
pistil	pistilo
pitch	pitcho
planet	planéto
plant	yiro
polar	polaro
pollen	polléno
pollinate	pollinéto
pollution	tignaro
position	loogna
positive	positivo
potential energy	kuranwo nafama
precipitation	sanjiwo
predator	prédatoro
predict	mimbé naring
prediction	min gnata nala
presence	abé jé
previous	min tambita
prey	ala sugo
primary	priméro
probable	assi kéno
procedure	akégna
process	présso
produce	asidin
producer	munsa prodi
properties	propertélu
protect	kakanta
proton	protono
provide	kha dii
pull	kha saba
pulley	fanukrun
pupa	pupo
puppies	wulu dingwo
push	gnori
<b>R</b>	
rabbit	gnino
radiation	radiasiy on
rain	san jiwo
rearrange	kha tobin kotin
reason	mun kha tu
receive	kha soto
record	enrégistré
rectum	réctumo

## SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

ENGLISH	MANDINKA
recycle	réciclo
reduce	khé dobo ala
refer	référo
reflect	réflecto
refract	réfracto
relationship	tériya
relative humidity	sumaya donding
relevant	nafo bala
remain the same	assi tuwogna
renewable	kha lakutaya
renewable energy resource	kuranwo résurso lakutaya
repair	kha dada
repel	abé gnakhuning
represent	représentantwo
reproduce	assi ding koté
reproduction	khi ding
reptile	duguma finwo
required	gnininkari
respiratory system	nilakilo sistémo
respond	jabi
response	jabilo
responsible	atélé nomu
result	résulta
rest	resto
reuse	réusso
revolution	révolusiyon
revolve	kha la mining
riding a bicycle	velo boro
rock	kuro
rock cycle	kuro ciclo
role	rolo
root	lilo
rotate	assi minimini
rotation	minimino
rubbing	sugnaró
ruler (metric)	julo (métriko)
runoff	afakhata

## SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

ENGLISH	MANDINKA
<b>S</b>	
saliva	dajiwo
salivate	dajiwo bala
scale	scalo
scientific inquiry	scientifico gnininkaro
scientific investigation	scientifico goddi bo
scientific thinking	scientifico lamiro
screw	visso
seasonal	sama
seasonally	samawo sama
seasons	samalu
secondary	fulanjanwo
sediment	sédimenwo
sedimentary rock	sédimen kuro
seed	késsó
seedling	lanno
select	talo
senses	sensolu
sense organ	organo senso
sequences	séauenssolu
series circuit	kuranwo jula sériyolu
sewage	koolo
shadows	diboo
shape	sugo
shells	catucho
shelter	bunwo
shield volcano	volkanwo shieldo
shiver	ké jarjara
significant	khoto bala
similarity	abé,ukiling léti
simple machine	machino simplo
sink	khé boy
situation	situasiyon
size	a khako
skeletal muscle	fassa kuluma
skeletal system	kuluma sistémo
skin	ballo
sky	sangulo
sleet	grésilo
small intestine	nugo domandi
smooth muscle	fasso munbé nunkuyalin
snow	sangui kuro

## SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

ENGLISH	MANDINKA
soil	dugukulo
soil texture	dugukulo kéгна
solar cell	solaro célulo
solar system	solaro sistémo
solid	abé goléyaling
solidification	khala goléya
solubility	jilama
solute	soluto
solution	solusiyon
sound	donkilo
sound recorder	donkilo enristrémenwo
source	sursso
space	spasso
species	nilamalu
specific	spécifiko
speed	a tariya
spine	spino
spinal cord	spinalo cordo
sponge	éponsso
spore	sporo
spring scale	tilima scalo
sprout	khé ballu
stages	stagiwo
stamen	staméno
stalks	kalo
star	lolo
state	akéгна
static charge	statiko charjo
static electricity	stactiko kuranwo
stem	ajuwo
stigma	stigmo
stimulus	stimulusso
stomach	kono
storms	san fogno
stopwatch	chronométró
strategy	féro
strato	strata
stratus cloud	stratusso sanwo
streak	bando
structural adaptation	structuralo labénno
structure	structuro
subsoil	dugukulo koto
substance	substansso



## SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

ENGLISH	MANDINKA
summarize	khala sutuya
sun	tilo
sunny	tilo bota
support	supporo
surface	santola
survive, survival	khé balu ,baluwo
surviving	balugna
sweat	khasusu
switch	dubin
system	sistémo
<b>T</b>	
tadpole	tadpolo
tape measure	tapo mésuru
teeth	gningwo
temperate	temporo
temperature	températureo
temporary magnet	magnéto munté méla
theory	théoro
thermometer	thermométro
thrive	khé nafulo soto
thunderstorm	san prinwo fogno
tissue	tissuwo
tongue	nééwon
tool	miranwo
topsoil	dugukolu gnuma
tornado	fognoba
trachea	trachéa
trait	tréwo
transfer	transféro
transport	tranporo
trial	jugemenwo
tropical	tropicalo
troposphere	troposphéro
trough	jan
trunks	tronwo
turbine	turbino
type	tipo
<b>U</b>	
unbalanced forces	fango muma balanssé
unequal	amantémbin
under	jukoto
universe	duna

## SCIENCE GLOSSARY - ELEMENTARY SCHOOL LEVEL

ENGLISH	MANDINKA
<b>V</b>	
vacuole	vacuolo
variable	variablo
vegetable	végétablo
vein	fasso
vertebrate	dumafinwo mumsi tama
visible	assi jéno
volcano	volkanwo
voltmeter	voltmétró
volume	volumo
<b>W</b>	
waste	wato perdo
water	jiwo
water cycle	jiwo ciclo
water vapor	jiwo sisiwo
wavelength	bajiwo loo
weather	climanwo
weathering	climanwo ké
wedge	khé balan
week	lokho kungwo
weight	guliya
wheel and axle	punno ani axlo
width	kobo bugna
wind	fogno
wind vane	fogno vano
wings	dabolu