

# Life Science Vocabulary

## 1217 Vocabulary Words

### SECTION 1

#### Fields of Science

aerodynamics	meteorologist
anatomy	meteorology
anthropology	microbiology
applied science	mineralogist
archaeology	mineralogy
astronautics	oceanographer
astronomy	paleontologists
biochemistry	petrologist
biology	petrology
biotechnology	physical science
chemical technology	physics
chemist	pure or basic science
chemistry	science
geochemistry	seismologist
geologist	solid state physics
geology	technologist
mechanistic view	technology

#### Life Science - General

anatomy	medicines
anterior	metabolism
atoms	metamorphism
base	meter

bilateral symmetry  
biology  
biotechnology  
botany  
buffer  
Celsius  
centimeter  
centrifuge  
chemical bond  
chemical change  
chemical equation  
chemical formula  
chemical property  
collecting data  
compound  
compound microscopes  
conclusion  
connective tissue  
contract  
control  
controlled experiment  
cubic meter  
data  
degree  
density  
dietitian  
diffusion  
digestion system  
dorsal  
ectoderm  
ectothermic  
electron  
electron microscope  
element

meter system  
microbiology  
microorganism  
microscope  
mixture  
model  
molecule  
nuclear power  
nucleus  
nutrition  
objective lens  
observation  
ocular lens  
operational definitions  
organ  
organ system  
organelles  
organic  
organic compounds  
organism  
organism  
organizing data  
oxidation  
physical change  
physics  
physiology  
posterior  
pressure  
problem  
procedure  
process skills  
protoplasm  
safety symbols  
saturated fat

endothermic  
energy  
experiment  
feedback  
gram  
gravity  
homeostasis  
hypothesis  
illusion  
infer  
international system  
kilogram  
kilometer  
law  
life science  
liter  
magnification  
mass  
matter  
maturity

scientific method  
scientific record  
second  
solar energy  
soluble  
solution  
somatic cell  
standard  
symmetry  
system  
technology  
theory  
tissue  
trait  
trial and error  
unit  
variable  
vestigial organ  
volume  
zoology

## Digestion

abdomen  
amino acid  
amylase  
anus  
asymmetrical  
benedict's solution  
beri-beri  
bile  
biuret solution  
botulism

glucose  
glycerol  
glycogen  
hemoglobin  
hemophilia  
incisors  
indophenol  
insulin  
lacteal  
lactose

caffeine  
Calorie  
capillary  
carbohydrates  
carotene  
casein  
chemical digestion  
chymotrypsin  
cirrhosis  
cloaca  
coelom  
colon (large intestine)  
complete proteins  
dentine  
diet  
dietitian  
digestion  
digestive enzyme  
digestive system  
digestive tract  
duodenum  
emulsification  
emulsification  
enamel  
enzymes  
epiglottis  
erepsin  
esophagus  
fats  
gall bladder  
gastric juice

large intestine  
lipase  
lugol's solution  
maltase  
minerals  
niacin  
nutrient  
nutrition  
pepsin  
peristalsis  
pharynx  
premolars  
proteins  
ptomaines  
ptylin  
pulmonary circulation  
pulp cavity  
red corpuscles  
rennin  
saliva  
salivary gland  
saturated fat  
scurvy  
small intestine  
smooth muscle  
sucrase  
thiamin  
trypsin  
vestigial organ  
villi  
vitamins

## Circulation

active transport	clot
anemia	coronary arteries
antibodies	fibrin
anticoagulant	heart muscle
antigen	hemoglobin
aorta	lymph
Arteries	lymphatic system
arterosclerosis	lymphocyte
atrium	phagocyte
auricles	plasma
bacteriophage	platelets
blood	pulmonary circulation
blood type	red blood cells
blood vessels	Rh factor
capillaries	systemic circulation
cardiac muscle	thorax
catalase	tissue fluid
chamber	vein
cholesterol	ventricle
circulation	white blood cells
closed circulatory system	

## Respiration

aerobic	inhaling
air sacs	larynx
alveoli	limewater
anaerobic	mucous membrane
bladder (urinary)	particulates
bronchus	pulmonary circulation

carbon monoxide  
diaphragm  
exhaling

respiration  
trachea

## Excretion

excretion  
feces  
fetus  
glycerol  
kidney  
nephron  
perspiration

renal circulation  
tubules  
urea  
ureter  
urethra  
urine

## Support and Locomotion

appendage  
ball and socket joint  
biceps  
bone  
connective tissue  
corium  
dermis  
Ear bones  
epidemic  
epidermis  
epithelial tissue  
gliding joints  
hinge joint  
humerus  
integumentary system  
involuntary muscle

melanin  
motile  
moveable joints  
muscle tissue  
periosteum  
pivot joint  
radius  
skeletal muscle  
skeleton  
smooth muscle  
spongy bone  
striated muscle  
system  
tendon  
tissue  
ulna

joint  
ligaments  
marrow

vertebrae  
voluntary muscle

## SECTION 2

### Nervous Regulation - Nerve Impulses

acetylcholine  
acquired behavior  
acquired behavior  
acquired character  
association neuron  
conditioned response  
depressants  
habit  
hallucinogens  
innate behavior  
instinct  
interact  
learned behavior

learning by association  
long term memory  
memory  
mental dependence  
positive reinforcement  
reasoning  
receptor  
reflex  
response  
short term memory  
stimulus  
synapse

### Nervous System

auditory nerves  
autonomic nervous system  
axon  
brain  
brain stem  
capsule

impulse  
iris  
lens  
malleus  
medulla (of the brain)  
motor nerve cell

central nervous system  
cerebellum  
cerebrum  
cochlea  
color-blindness  
cornea  
dendrite  
eardrum  
eustachian tube  
ganglion  
image

neuron  
optic nerve  
organ of corti  
outer ear  
peripheral nervous system  
pupil  
retina  
rod cell  
semicircular canals  
sensory neurons  
spinal cord

### Sensory Organs

auditory nerves  
cochlea  
color-blindness  
cornea  
dendrite  
eardrum  
eustachian tube  
image  
iris

lens  
malleus  
optic nerve  
organ of corti  
outer ear  
pupil  
retina  
rod cell  
semicircular canals

### Chemical Regulation

biological clock  
biological feedback  
buffer  
catalase  
cholesterol  
complete proteins

fermentation  
interferon  
metabolism  
mitochondria  
nucleic acids  
nucleolus



contractile vacuole  
cytoplasm  
DNA (deoxyribonucleic acid)  
endoplasmic reticulum  
enzymes  
erepsin  
ethyl alcohol

nucleoproteins  
nucleotide  
nucleus  
osmosis  
platelets  
RNA (Ribonucleic acid)

### Diseases - Immunity

acne  
acquired immunity  
active immunity  
addiction  
alcohol  
alcoholic  
amphetamine  
amphetamine  
anemia  
antibiotic  
antibodies  
antigen  
antiseptic  
arterosclerosis  
barbiturates  
benign tumor  
botulism  
caffeine  
cancer  
carbon monoxide  
carcinogen  
carcinoma  
carrier

ethyl alcohol  
goiter  
habit forming  
hallucinogens  
hemophilia  
immunity  
infection  
inherited disease  
Koch's postulates  
marijuana  
mental dependence  
narcotics  
nicotine  
noncommunicable disease  
over the counter drugs  
parasites  
parasitism  
passive immunity  
pasteurization  
pathogen  
pellagra  
phagocyte  
physical dependence

chemotherapy  
chronic disorder  
cirrhosis  
cocaine  
cocci  
coma  
communicable  
contagious disease  
deficiency disease  
depressants  
diabetes  
disease  
disinfectant  
drug  
drug abuse  
drug interaction  
epidemic

pregnancy  
prescription drug  
psychological dependence  
ptomaines  
quarantine  
risk factor  
scurvy  
side effect  
STD  
stimulant  
stimulant  
tolerance  
tranquilizer  
tumor  
vaccination  
vaccine  
withdrawal

## Reproduction

adolescence  
albumin  
amniocentesis  
amnion  
amniotic sac  
analogous  
asexual  
birthrate  
cesarean section  
conception  
egg cell  
embryo  
fertilization

menstrual cycle  
menstruation  
ovary  
oviduct  
ovulation  
penis  
placenta  
progesterone  
puberty  
reproduction  
sex chromosomes  
sexual reproduction  
sperm cell

gametes  
germ  
inherited traits  
interferon  
mammary glands  
maturity  
menopause

testes  
umbilical cord  
uterus  
vagina  
zygote

## Endocrines

adrenal glands  
adrenalin  
beri-beri  
chymotrypsin  
diabetes  
ductless glands  
endocrine glands  
goiter

hormones  
insulin  
pancreas  
parathyroid gland  
pituitary gland  
thyroid gland  
thyroxin  
trypsin

## Vertebrates

air bladder  
air sacs  
amphibian  
aorta  
aquatic  
arteries  
atrium  
auricles  
behavior  
bilateral symmetry  
bird

mammals  
mammary glands  
mandibles  
marsupials  
migration  
milt  
mimicry  
motile  
nocturnal  
omnivores  
operculum

brain  
canine teeth  
capillary  
chamber  
chordates  
cloaca  
closed circulatory system  
Cnidartan  
cochlea  
cold blooded animals  
compound eye  
conditioning  
courtship  
dorsal  
eardrum  
ectothermic  
endoskeleton  
estivation  
estrus  
external fertilization  
fish  
ganglion  
gestation  
gills  
gizzard  
hibernate  
inborn behavior  
instinct  
internal fertilization  
iris  
jawless fish  
lamprey  
lateral line  
lens

organ  
organelles  
ovary  
pheromone  
placenta  
plumage  
posterior  
primates  
pupil  
reasoning  
reflex act  
reproduction  
reptile  
response  
retina  
selective breeding  
sexual reproduction  
somatic cell  
spawning  
sperm cell  
stimulus  
swim bladder  
symmetry  
territoriality  
testis  
thorax  
trial and error  
vagina  
vein  
ventricle  
vertebrate  
warm blooded  
zygote

## SECTION 3

### Invertebrates

Annelida	gizzard
antennae	host
anterior	inbreeding
aphids	incomplete metamorphosis
aquatic	insect
arachnid	invertebrates
arthropod	larva
asexual	life cycle
auricles	mantle
bacteria	maxilliped
bilateral symmetry	metamorphosis
bioluminescence	millipedes
biotechnology	mollusks
bivalve	molting
book lung	monotreme
budding	motile
centipedes	nymph
chitin	pellicle
closed circulatory system	Porifera
cocoon	pupa
Coelenterate	radial symmetry
coelenterates	regeneration
complete metamorphosis	reproduction
conjugate	response
conjugation	roundworms
contractile vacuole	segmented worm
crop	setae

cruatacean  
digestive enzyme  
digestive system  
dorsal  
Echinodermata  
endoskeleton  
exoskeleton  
external fertilization  
fission  
flatworm  
foot  
gametes  
ganglion

sexual reproduction  
social insects  
somatic cell  
spiracles  
sponges  
spongin  
swimmeret  
symmetry  
tenacle  
tube feet  
vacuole  
vertebrates  
water vascular system

## Plants

algae  
angiosperm  
annual  
annual ring  
anther  
Auxin  
bark  
biennial  
botany  
bulb  
cambium  
cell wall  
cells  
cellulose  
chemosynthesis  
chemotherapy  
chlorophyll

Monocotyledon  
moss  
nodule  
nonvascular plants  
organism  
ovule  
palisade layer  
parasites  
perennial  
petals  
petiole  
phloem  
photoperiodism  
photosynthesis  
phototropism  
pinnae  
pistil

chloroplasts  
club fungus  
club moss  
complete flower  
compound leaf  
cone  
conifer  
coniferous forest  
conjugate  
conjugation  
cotyledons  
cross  
cuticle  
deciduous  
dicot  
dispersal  
dormancy  
embryo  
endosperm  
endospore  
evergreen  
fern  
fertilizer  
fibrous root system  
fiddlehead  
filament  
flowers  
frond  
fruits  
gamete  
gametophyte  
geotropism  
germination  
guard cells

placenta  
plankton  
plant kingdom  
plastids  
plumule  
pollen grains  
pollenation  
primary root  
protonema  
Pteridosperms  
response  
rhizoid  
rhizome  
Rhodophyta  
root hair  
sac fungi  
scion  
seed  
seed coat  
self pollenation  
sepals  
slime mold  
sorus  
spicule  
spongy layer  
sporangia  
sporangium  
spore  
sporophyte  
sporozoan  
stamen  
stigma  
stimulus  
stock

gymnosperms  
herbaceous stem  
hilum  
holdfast  
horsetail  
host  
humus  
lichen  
life cycle  
liverwort  
loam  
mold  
monocot

stolon  
stomata  
style  
taproot  
thallus  
transpiration  
tropism  
tuber  
vascular plants  
vegetative propagation  
vessels  
woody stem  
xylem

### Plants Reproduction

anther  
complete flower  
cross  
endosperm  
filament  
gametophyte  
ovule  
pistil  
pistils  
placenta

pollen grains  
pollination  
primary root  
scion  
seed  
self pollination  
stamen  
stigma  
style  
vegetative propagation

### Microbiology Protists - Virus - Monerans-Fungi

agar  
amoeba

microbe  
moneran



ascus  
bacilli  
bacteria  
bacteriologist  
bacteriophage  
basidia  
biotechnology  
blue green algae  
bracket fungi  
Bryophyta  
Bryophytes  
budding  
cap  
cilia  
cocci  
coccus  
conjugate  
contractile vacuole  
culture  
cyanobacteria  
cyst  
endospore  
fermentation  
fission  
flagellate  
flagellum  
fungi  
germ  
hyphae  
immunity  
interferon  
lichen

mutualism  
mycelium  
nitrogen cycle  
nitrogen-fixing bacteria  
nutrients  
oral groove  
paramecium  
parasite  
pasteurization  
pathogen  
plankton  
plantlike protists  
plasmodium  
protists  
protonema  
protozoan  
pseudopod  
sac fungi  
saprophyte  
slime mold  
spicule  
spirilla  
sporangia  
sporangium fungi  
spore  
sporophyte  
sporozoan  
trichocysts  
vacuole  
virus  
yeast  
zygospore

## SECTION 4

### Heredity and Genetics

albinism  
allele  
anaphase  
ATP  
binary fission  
blastula  
blending inheritance  
carrier  
cell division  
centriole  
centromere  
chromatin  
chromosomes  
cleavage  
cross breeding  
cross pollenation  
crossing over  
daughter cells  
diploid number  
DNA  
dominant gene  
ectoderm  
endoderm  
gametes  
gastrula  
genes  
genetics  
genotype  
heredity  
hybrid trait  
inbreeding  
incomplete dominance  
individual variation  
inherited disease  
inherited traits  
mass selection  
meiosis  
mesoderm  
metaphase  
mitosis  
monoploid  
morula  
mutation  
pedigree  
phenotype  
polyploid  
prophase  
punnet square  
pure traits (genetically)  
purebred  
recessive  
recessive trait  
reduction division  
replication  
RNA  
sex chromosomes  
sex linked traits  
spindle

heterozygous  
homozygous  
hybrid

telephase  
trait

## Evolution

adaptation  
analogous  
barriers  
binomial system  
breed  
carbon 14  
cycle  
death rate  
divisions  
evolution  
extinct  
fossil  
fossil fuels  
geologic time scale  
gradual evolution  
homologous structures  
mammal  
migration

mold  
mutation  
natural selection  
pedigree  
protective coloration  
punctuated equilibrium  
purebred  
radioactive  
radioactive dating  
radioactive element  
relative dating  
sedimentary  
selective breeding  
speciation  
spontaneous generation  
taxonomy  
variation  
vestigial organ

## Cells

active transport  
aerobic  
amino acid  
anaerobic  
ATP

membrane  
mitochondria  
nuclear membrane  
nucleic acids  
nucleolus

biological clock  
catalase  
cell membrane  
cell theory  
cell wall  
cells  
centriole  
cholesterol  
commensalism  
cytoplasm  
DNA (deoxyribonucleic acid)  
endoplasmic reticulum  
fermentation

nucleoproteins  
nucleotide  
nucleus  
osmosis  
pellicle  
plasmolysis  
platelets  
protoplasm  
replication  
ribosomes  
RNA  
selectively permeable membrane  
vacuole

## Ecology

abiotic factor  
adaptation  
adapted  
ammonia  
arctic tundra  
barriers  
behavior  
biodegradable  
biomass energy  
biome  
biosphere  
biotic factor  
birth rate  
camouflage  
canopy  
carnivores  
carrying capacity

habitat  
herbivores  
inbreeding  
interact  
isotope  
limiting factor  
migration  
mimicry  
mutualism  
natural selection  
niche  
nitrogen cycle  
nitrogen-fixing bacteria  
noise pollution  
particulates  
permafrost  
pioneer species

castes  
clay  
climax  
climax community  
commensalism  
community  
competition  
consumer  
contour plowing  
courtship  
crop rotation  
cyclic behavior  
death rate  
decomposer  
ecology  
ecosystem  
ecotone  
elevation  
emigrate  
endangered species  
energy pyramid  
environment  
estuary  
extinct  
food chain  
food pyramid  
food web  
gravel

population  
predator  
prey  
primary succession  
producer  
protective coloration  
recycling  
releaser  
resource  
saprophyte  
scavengers  
sewage  
smog  
society  
stimulus  
subsoil  
succession  
taiga  
territoriality  
thermal pollution  
topsoil  
tree line  
tundra  
visual pollution  
water table  
wildlife preservation  
zoning

## Resources and the Environment

acid rain  
acids

particulates  
pollution

biodegradable  
conservation  
environmental management  
erosion  
extinction  
fossil fuels  
ground water  
hydroelectric power  
loam  
natural resources  
nonrenewable resources

recycling  
reforestation  
renewable resources  
resource  
sand  
sanitary landfill  
sedimentary  
silt  
solar energy  
zoning

## Taxonomy

Chordata  
chordates  
class  
classification  
common descent  
family  
fungus kingdom  
genus  
kingdom  
Mollusks

Moneran kingdom  
Monocotyledon  
order  
Phaeophyta  
phylum  
Porifera  
primates  
species  
taxonomy  
vertebrate