

Biology Vocabulary Word Bank 2014-2015

Chapter 1

adaptation
biology
development
growth
homeostasis
organism
organization
reproduction
response
species
stimulus
ethics
forensics
metric system
peer review
science
SI
theory
control group
constant
data
dependent variable
experiment
experimental group
hypothesis
independent variable
inference
observation
safety symbol
scientific method
serendipity

Chapter 6

atom
compound
covalent bond
electron
element
ion
ionic bond
isotope
molecule
neutron
nucleus
proton
van der Waals force
activation energy
active site

catalyst
chemical reaction
enzyme
product
reactant
substrate
acid
base
buffer
hydrogen bond
mixture
pH
polar molecule
solute
solution
solvent
amino acid
carbohydrate
lipid
macromolecule
nucleic acid
nucleotide
polymer
protein

Chapter 7

cell
cell theory
eukaryotic cell
nucleus
organelle
plasma membrane
prokaryotic cell
fluid mosaic model
phospholipid bilayer
selective permeability
transport protein
cell wall
centriole
chloroplast
cilium
cytoplasm
cytoskeleton
endoplasmic reticulum
flagellum
Golgi apparatus
lysosome
mitochondrion
nucleolus

ribosome
vacuole
active transport
diffusion
dynamic equilibrium
endocytosis
exocytosis
facilitated diffusion
hypertonic solution
hypotonic solution
isotonic solution
osmosis

Chapter 8

adenosine triphosphate (ATP)
cellular respiration
energy
metabolism
photosynthesis
thermodynamics
Calvin cycle
granum
NADP+
pigment
rubisco
stroma
thylakoid
aerobic process
aerobic respiration
fermentation
glycolysis
Krebs cycle

Chapter 9

cell cycle
chromatin
chromosome
cytokinesis
interphase
mitosis
anaphase
centromere
metaphase
prophase
sister chromatid
spindle apparatus
telophase
apoptosis
cancer

carcinogen
cyclin
cyclin-dependent kinase
stem cell

Chapter 10

crossing over
diploid
fertilization
gamete
gene
haploid
homologous chromosome
meiosis
allele
dominant
genetics
genotype
heterozygous
homozygous
hybrid
law of independent assortment
law of segregation
phenotype
recessive
genetic recombination
polyploidy

Chapter 11

carrier
pedigree
autosome
codominance
epistasis
incomplete dominance
multiple alleles
polygenic trait
sex chromosome
sex-linked trait
karyotype
nondisjunction
telomere

Chapter 12

double helix
nucleosome
DNA polymerase
Okazaki fragment
semiconservative replication
codon
exon
intron

messenger RNA
ribosomal RNA
RNA
RNA polymerase
transcription
transfer RNA
translation
gene regulation
mutagen
mutation

Chapter 15

artificial selection
evolution
natural selection
analogous structure
ancestral trait
biogeography
camouflage
derived trait
embryo
fitness
homologous structure
mimicry
vestigial structure
adaptive radiation
allopatric speciation
bottleneck
directional selection
disruptive selection
founder effect
genetic drift
gradualism
Hardy-Weinberg principle
punctuated equilibrium
sexual selection
stabilizing selection
sympatric speciation

Chapter 17

binomial nomenclature
class
classification
division
domain
family
genus
kingdom
order
phylum
taxon
taxonomy

character
cladistics
cladogram
molecular clock
phylogeny
archaea
fungus
protest

Chapter 24

endoskeleton
exoskeleton
external fertilization
internal fertilization
invertebrate
vertebrate
zygote
anterior
bilateral symmetry
dorsal
posterior
ventral

Chapter 28

atrium
cartilage
fin
lateral line system
nephron
neural crest
operculum
scale
spawning
swim bladder
ventricle
tetrapod
cloaca
ectotherm
nictitating membrane
tympanic membrane

Chapter 29

amnion
amniotic egg
carapace
Jacobson's organ
plastron
air sac
contour feather
down feather
endotherm
feather

incubate
preen gland
sternum

Chapter 30

cerebellum
cerebral cortex
diaphragm
gestation
gland
mammary gland
placenta
uterus
marsupial
monotreme
placental mammal

Chapter 2

abiotic factor
biological community
biome
biosphere
biotic factor
commensalism
ecology
ecosystem
habitat
mutualism
niche
parasitism
population
predation
symbiosis
autotroph
biomass
carnivore
detritivore
food chain
food web

herbivore
heterotroph
omnivore
trophic level
biogeochemical cycle
denitrification
matter
nitrogen fixation
nutrient

Chapter 3

climax community
community
ecological succession
limiting factor
primary succession
secondary succession
tolerance
boreal forest
climate
desert
grassland
latitude
temperate forest
tropical rain forest
tropical savanna
tropical seasonal forest
tundra
weather
woodland
abyssal zone
aphotic zone
benthic zone
estuary
intertidal zone
limnetic zone
littoral zone
photic zone
plankton
profundal zone

sediment
wetlands

Chapter 4

carrying capacity
density-dependent factor
density-independent factor
dispersion
emigration
immigration
population density
population growth rate
age structure
demographic transition
demography
zero population growth

Chapter 5

biodiversity
ecosystem diversity
extinction
genetic diversity
species diversity
background extinction
biological magnification
edge effect
eutrophication
habitat fragmentation
introduced species
mass extinction
natural resource
overexploitation
biological augmentation
bioremediation
endemic
nonrenewable resource
renewable resource
sustainable use