

Biology Vocabulary Root Words

Semester 1

<u>Week</u>	<u>Root</u>	<u>Definition</u>	<u>Examples</u>
1	1 micro- 2 mono- 3 multi- 4 anthro- 5 -logy	small one, single many man study of, science of	micron, microscope monorail, monosaccharide multiply, multitude anthropology, anthropomorphism biology, zoology
2	6 phono- 7 photo- 8 post- 9 pre- 10 anti-	sound light after before against	phonograph, microphone photograph, photosphere postpone, post meridian (pm) prevent, prepare antidote, antibiotic
3	11 pseudo- 12 thermo- 13 psycho- 14 helio- 15 macro-	FALSE temperature, heat mind sun large	pseudonym, pseudopod thermal, thermometer psychology, psychic helium, heliocentric macromolecule, macroscopic
4	16 bio- 17 chrono- 18 circum- 19 auto- 20 aqua-	life time around self water	autobiography, biome chronological, chronograph circumpolar, circumnavigate autograph, automobile aquatic, aquarium
5	21 poly- 22 quad- 23 neuro- 24 corpus- 25 derm-	many four nerve body skin	polygraph, polygon quadrant, quadrilateral neuron, neurosurgeon corpse, corpuscle epidermis, dermatologist
6	26 hemi- 27 avi- 28 chlor- 29 ophthalmo- 30 sub-	half bird green eye below, under	hemisphere, hemiptera aviation, aviary chlorophyll, chlorine ophthalmologist, ophthalmic submarine, submit
7	31 entomo- 32 contra- 33 cardi- 34 magni- 35 hypo-	insect against heart great, large below, under	entomology, entomopathogen contrast, contradict cardiac, cardiovascular magnify, magnificent hypodermic, hypoglycemic
8	36 zoo- 37 sphere- 38 ornitho- 39 mort- 40 karyo-	animal round, globe bird death nucleus	zoology, zooplankton spherical, chromosphere ornithology mortician, mortal eukaryotic, karyotype
9	41 octo- 42 sapro- 43 morpho- 44 epi- 45 hetero-	eight dead, rotten form upon mixed	October, octopus saprophyte, saprogenic morphology, anthropomorphic epidermis, epilogue heterogeneous, heterodox

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46 entero-	intestine	enteritis, enteron
47 -ectomy	cut out	tonsillectomy, appendectomy
48 denti-, dont-	tooth, teeth	dentist, orthodontist
49 -phil(e)	loving	bibliophile, hydrophilic
50 -onym	name	synonym, pseudonym

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51 neo-	new	neonatal, neoplasm
52 arthro-	joint	arthritis, arthropod
53 gastro-	stomach	gastric, gastropod
54 hepato-	liver	hepatitis, hepatophyta
55 dys-	faulty, bad	dysfunction, dysentery

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56 dis-	bad, evil	disease, disaster
57 chrom-	color	chromosome, chromatograph
58 luna-	moon	lunar, lunatic
59 exo-	outside	exobiology, exodus
60 som(e)	body	psychosomatic, episome

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61 super-	over, above	superior, supervisor
62 intro-	within	introduction, introvert
63 de-	down, away	decline, depress
64 ex-	out of, from	exit, expose
65 nephro-	kidney	nephritis, nephron

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66 per-	through	permeate, impermeable
67 apo-	away, from	apogee, apostate
68 -itis	inflammation	laryngitis, appendicitis
69 -osis	abnormal state	halitosis, necrosis
70 natal-	birth	prenatal, natality

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71 frater-	brother	fraternity, fraternal
72 scribo-	write	description. Inscribe
73 gen-	race, kind	gender, genus
74 pedi-, pod-	foot	tripod, pedestrian
75 com-	within	communicate, commerce

Biology Vocabulary Root Words

Semester 2

<u>Week</u>	<u>Root</u>	<u>Definition</u>	<u>Examples</u>
1	76 morpho- 77 cyst- 78 scler- 79 oto- 80 rhino-	form bladder, sac hard ear nose	morphology, anthropomorphic heterocyst, cystocarp sclereid, sclerosis otoscope, otology rhinitis, rhinoceros
2	81 baro- 82 iso- 83 ante- 84 cyclo- 85 geo-	pressure equal before circular earth	barometer, barograph isoptera, isometric ante meridian (am), antedate cyclone, bicycle geology, geography
3	86 hemo- 87 hexa- 88 ambi- 89 herb- 90 bi-	blood six both plant two	hemoglobin, hemostat hexose, hexagon ambivalent, ambidextrous herbivore, herbal bivalve, binocular
4	91 retro- 92 trans- 93 osteo- 94 non- 95 vita-	backwards across bone not life	retract, retroactive transparent, translate osteoporosis, osteopathy nonfat, nonsense vital, vitamin
5	96 nebul- 97 scope- 98 tele- 99 astro-, aster- 100 inter-	cloud, cloudy view far, distant star between	nebula, nebulous telescope, microscope television, telephone astronomy, asteroid interfere, interpret
6	101 pteron- 102 sect- 103 hydro- 104 carni- 105 cyano-	wing part, divide water flesh dark blue	pterodactyl, diptera dissect, section hydrogen, hydrology carnivore, carnage cyanobacteria, cyanosis
7	106 graph- 107 penta- 108 ortho- 109 meter- 110 lysis-	write five straight measure break up, loosen	graphology, graphite pentagon, pentose orthoptera, orthodox thermometer, speedometer analysis, photolysis
8	111 litho- 112 ambul- 113 vor(e)- 114 somn- 115 ichthyo-	rock walk eater sleep fish	lithosphere, lithograph ambulate, ambulance voracious, omnivore insomnia, somnabulist ichthyology, ichthyosaur
9	116 cephalo- 117 intra- 118 hyper- 119 patho- 120 homo-	head within over, excess disease same	cephalothoraxes, cephalic intramural, intravenous hyperactive, hypersensitive pathology, pathogen homogenize, homoptera

10	121 mal-	bad, evil	maltreatment, malevolent
	122 manus-	hand	manuscript, manual
	123 anima-	breath, life	animal, animated
	124 arche-	beginning, first in order	archeology, archbishop
	125 pneum-	lung	pneumonia, pneumatic
11	126 omni-	all	omnibus, omnivore
	127 ana-	back, up, again	anachronism, anaphase
	128 naut-	sailor	nautilus, astronaut
	129 son(l)-	sound	sonic, sonorous
	130 kine-	motion	kinetic, kinematics
12	131 halo-	salt	halophyte, halocline
	132 biblio-	books	bibliography, bibliophile
	133 andro-	male	androgynous, androgen
	134 gyn-	female	gynecologist, gynoecium
	135 vivo-	life	vivid, vivisect
13	136 diplo-	double, twofold	diplococcal, diploid
	137 phyte-	plant	chlorophyta, phytotoxin
	138 proto-	first	protozoa, prototype
	139 lacto-	milk	lactic, lactose
	140 tropi-	turning	heliotropic, hydrotropic
14	141 meta-	among, change	metamorphosis, metacarpal
	142 oculo-	eye	ocular, oculist
	143 plasm-	formed, molded	protoplasm, nucleoplasm
	144 mis-	bad, ill	misanthrope, misprint
	145 sperm-	seed	spermatophyte, angiosperm
15	146 gymnos-	naked	gymnasium, gymnosperm
	147 cyto-	cell	cytoplasm, cytology
	148 germ-	sprout	germinate, germicide
	149 cide-	killing	pesticide, homicide
	150 sym-, syn-	together, with	symbiosis, synthesis