

READING ROOTS

*adapted from Mrs. Russell's Reading Roots

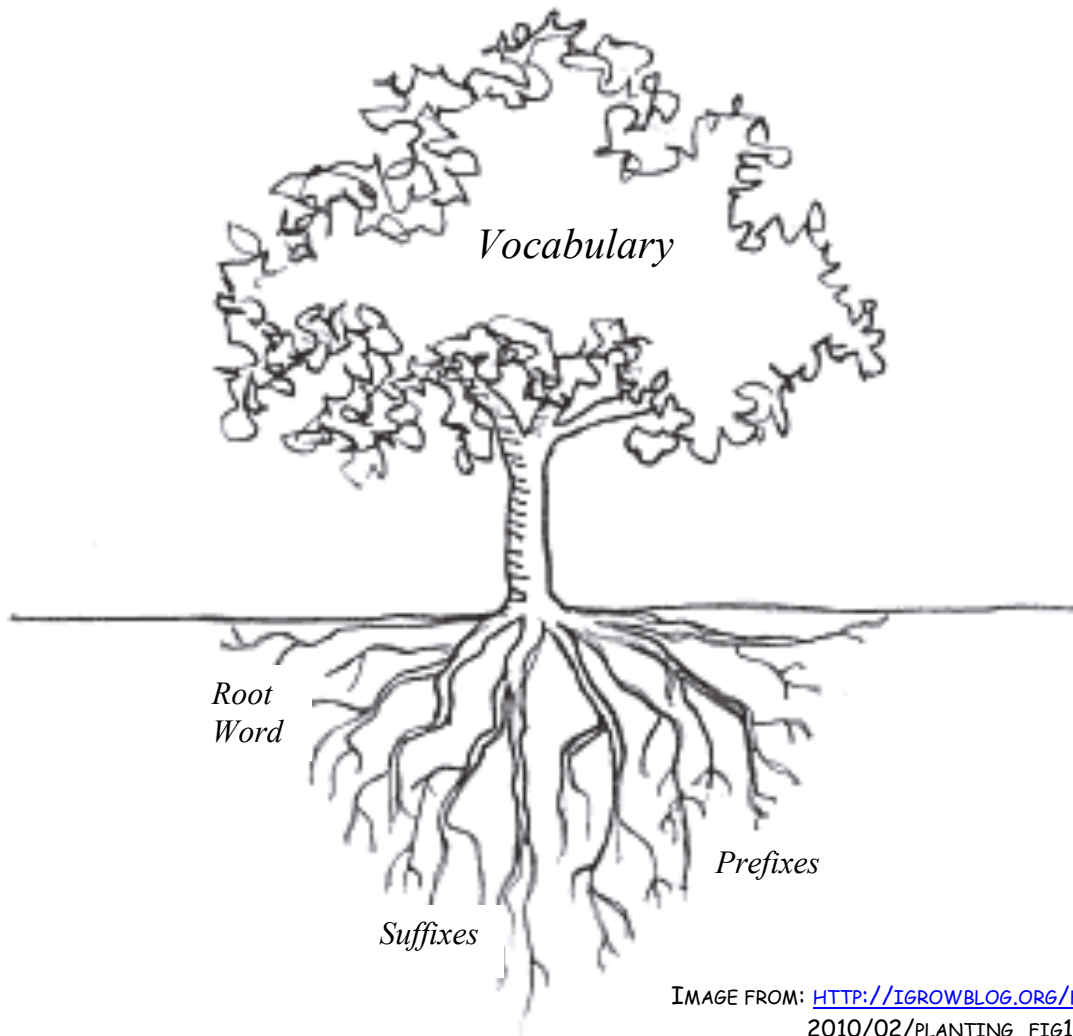


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Biology
Mrs. DeVore

NAME: _____

PERIOD: _____

INTRODUCTION

Included in this packet are 10 lists of common prefixes, suffixes, and root words that you will find important in reading and understanding written materials introduced during this course. Knowledge of these will help you break down unfamiliar words and remember their meaning. It will also be one of the most valuable tools that you can take with you and apply to other courses and beyond high school.

During the first 12 weeks of the course, you will have a quiz on one list every Monday (or Tuesday, if there is no school on Monday) followed by a cumulative test at the conclusion of five and ten lists. Each week you will be responsible for completing one list. To prepare for each quiz, you must:

1. Choose a word or words from the list that use the prefix, root word, or suffix.
2. Explain the meaning of the chosen word(s) using the definition provided in this packet, or from other sources as necessary.
3. Study the meanings of the roots given in the list using partner quizzing and/or flash cards.

Each quiz will be worth 15 points, and each test will be worth 25 points. They will combine for a total of 200 points associated with this course. This is an important part of your grade and an important life skill. Take these quizzes seriously.

Reading Root Packets will be checked at the end of lists 1-5 and again at the conclusion of lists 6-10 to ensure that all work has been completed. Those students who have not filled out their weekly lists properly will not be permitted to take the cumulative exams until they are completed. A grade of 0/25 will be entered until the packet is completed and the cumulative exam taken. This must be completed within two weeks of the original exam date or the 0/25 grade will become permanent. It is to your advantage to keep up with the lists each week as you study for the quizzes.

List 1WordDefinition

Quiz Date: _____

bio - life

_____ : _____

calor - heat

_____ : _____

electro- electricity

_____ : _____

-graph - write, draw

_____ : _____

-lysis - destruction

_____ : _____

meter - measure

_____ : _____

-ology - science,
study of

_____ : _____

- scope - observation
instrument

_____ : _____

stereo - solid, 3 D

_____ : _____

sym/syn - together

_____ : _____

List 2WordDefinition

Quiz Date: _____

eu - true

_____ : _____

hetero- different

_____ : _____

homo, homeo - same

_____ : _____

hyper - over, above

_____ : _____

hypo - under

_____ : _____

magni - great

_____ : _____

macro - large

_____ : _____

micro - small

_____ : _____

pre, pro - before

_____ : _____

-stasis - stable
stationary

_____ : _____

List 3WordDefinition

Quiz Date: _____

a - lacking

_____:

centro - center

_____:

endo- within, inside

_____:

epi - upon

_____:

ex, exo - out, outside

_____:

in, intra - inside, within

_____:

inter - between

_____:

trans - across

_____:

ultra - beyond

_____:

anti - against

_____:

List 4WordDefinition

Quiz Date: _____

di - double

_____:

hemi- half

_____:

multi, poly - many

_____:

proto - first

_____:

mono, uni - one

_____:

bi - two, twice

_____:

tri - three

_____:

quadri - four

_____:

penta- five

_____:

-octo - eight

_____:

List 5WordDefinition

Quiz Date: _____

auto - self _____:**chromo** - color _____:**-cot** - seed _____:**-herb** - relating to plants _____:**hydro** - water _____:**period** - regularly
occurring _____:**photo** - light _____:**- phyll** - leaf _____:**phyte** - plant _____:**chloro** - green-yellow _____:List 6WordDefinition

Quiz Date: _____

arth - jointed _____:**carn-** flesh _____:**cephal** - head _____:**cyto** - cell _____:**morph** - shape _____:**phage** - eater _____:**-plasm** - cell fluid _____:**platy** - flat, broad _____:**pseudo** - false _____:**zoo** - animal _____:

List 7WordDefinition

Quiz Date: _____

arterio - arteries

_____:

cardio - heart

_____:

derm- skin

_____:

dent, -dont - teeth

_____:

gastro - stomach

_____:

hemo- blood

_____:

-itis - inflammation

_____:

- nephro - kidney

_____:

neuro - nerve

_____:

osteo - bone

_____:

List 8WordDefinition

Quiz Date: _____

-cyst - sac, pouch

_____:

med- heal, cure

_____:

onco - tumor

_____:

opti - vision, sight

_____:

ortho - straight, regular

_____:

-osis - condition
disease

_____:

ov, ovi - egg

_____:

-pod - foot

_____:

sclero - harden

_____:

-sperm - seed

_____:

List 9WordDefinition

Quiz Date: _____

aero - air, oxygen

_____ : _____

arche - ancient

_____ : _____

-chrono - time

_____ : _____

-cide - kill

_____ : _____

gen - birth

_____ : _____

geo - earth

_____ : _____

locus- place

_____ : _____

tele - far, distant

_____ : _____

therm - heat

_____ : _____

troph - feeding

_____ : _____

List 10WordDefinition

Quiz Date: _____

meso - middle

_____ : _____

nano- billion

_____ : _____

neo - new

_____ : _____

sect - cut

_____ : _____

terr - earth

_____ : _____

tact - touch

_____ : _____

fix - connect,
attach

_____ : _____

pan - all

_____ : _____

audi - sound

_____ : _____

para - beside

_____ : _____

List of Terms

abiotic	bilateral	cytoskeleton	gastroenteritis
aerobic	bivalent	dentition	gene loci
aerodynamic	calorimeter	dermatitis	geology
amorphous	carbon fixation	dicot	geothermal
anaerobic	cardiogram	diploid	hemichordate
antibiotic	cardiomyopathy	dislocation	hemophilia
appendicitis	carnivore	dissect	hemostat
archebacteria	centromere	electrocardiogram	herbicide
arteriosclerosis	centrosome	electrolysis	herbivore
arthritis	cephalopod	endocytosis	heterogeneous
arthropod	chlorophyll	endoderm	heterotroph
asexual	chromatograph	endoscopy	homeostasis
atypical	chromatography	endosperm	heterozygous
audible	chromosome	endotherm	homeotherm
auditory nerve	chronological	epicenter	homozygous
autobiography	chronometer	epidermis	hydrocephaly
autopilot	cirrhosis	eukaryote	hydrology
autotransplant	cystitis	exocytosis	hydrolysis
autotroph	cytokinesis	extracellular	hyperthyroidism
bacteriophage	cytology	fixative	hypertonic
bicycle	cytoplasm		

List of Terms

hypodermic	nephritis	periodic table	symbiosis
hypothermia	nephron	pesticide	symphony
hypotonic	neuroblastoma	photoperiod	synchronize
insecticide	neurologists	photosynthesis	tactile
interstitial	octoploid	platyhelminthe	telegraph
intracellular	oncogene	platypus	telescope
macromolecule	oncogenesis	podiatrist	terrestrial
macronucleus	optomology	polydactyly	thermometer
magnification	orthodontist	prokaryote	thermopile
magnify	osteichthyes	protoplasm	transdermal
medicine	osteoblastoma	prototype	transgenic
mesophyll	osteocyte	protozoa	transmembrane
metamorphic	ovary	pseudonym	tricuspid
micrometer	ostichthy	pseudopod	trisomy
microscopic	oviduct	pseurhosis	ultraviolet
monocot	pandemic	quadriplegic	ultrasensitive
monomer	panoramic	seismograph	vivisection
morphology	paramedic	spermatogenesis	xerophyte
nanometer	paranoia	stereoscope	zoology
neonatologist	pentane	subspecies	zooplankton

Works Cited

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http://www.awrsd.org/oak/library/greek_and_latin_root_words.htm

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<http://www.biologycorner.com/worksheets/language.html>

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