

### Vocabulary Lesson One

Write down at least two examples of words that use each of the roots from this list. Two words are provided for you already as an example.

Root	Usual Meaning	Examples
angle	<i>corner</i>	triangle quadrangle
bi	<i>two</i>	bicycle, bivalve
cycle	<i>circle, wheel</i>	cyclone bicycle
gon	<i>angle</i>	polygon octagon
hexa	<i>six</i>	hexagram hexafluoride
octo	<i>eight</i>	October octopus
pent	<i>five</i>	Pentagon pentagram
poly	<i>many</i>	polygamous polygraph
quad	<i>four</i>	quadruped quadruple
semi	<i>half, part</i>	semicircle semiquaver
tri	<i>three</i>	tricycle tripod
uni	<i>one</i>	unicycle universe

We will be following a vocabulary program that focuses on the mostly Greek and Latin roots of many English words. It is hoped that such a course of study will familiarize students with the foundation of the English language and provide them with tools necessary to tackle even unfamiliar words with which they will inevitably come into contact. This approach also stresses the classical roots of contemporary culture, which is a theme running throughout the 10X curriculum.

## Vocabulary Lesson Two

Write down at least two more examples of words that use each of the roots from this list. Two words are provided for you already as an example.

Root	Usual Meaning	Examples
baro	<i>weight</i>	barometer, baroscope
cent	<i>hundred</i>	centimeter, century
deci	<i>ten</i>	decimeter, decimate
dynamo	<i>power</i>	thermodynamics, dynamo
gram	<i>written, drawn</i>	hexagram, neurogram
hydro	<i>water</i>	hydrometer, dehydrate
meter	<i>measure</i>	pentameter, barometer
micro	<i>small</i>	micrometer, micron
milli	<i>thousand, thousandth</i>	millimeter, millennium
mono	<i>one</i>	monogram, monologue
multi	<i>many</i>	multigram, multiply
therm	<i>heat</i>	thermometer, isotherm

### Vocabulary Lesson Three

Write down at least two more examples of words that use each of the roots from this list. Two words are provided for you already as an example.

Root	Usual Meaning	Examples
anthropo	<i>man, mankind</i>	anthropology, anthropoid
astro	<i>star</i>	astrology, asteroid
centric	<i>center</i>	theocentric, central
chrono	<i>time</i>	chronometer, synchronize
eu	<i>good, well</i>	eulogy, euphemism
geo	<i>earth</i>	geology, geography
helio	<i>sun</i>	heliocentric, heliograph
logy	<i>study, science of</i>	chronology, biology
peri	<i>around</i>	periscope, perigee
scope	<i>see</i>	microscope, gyroscope
tele	<i>far</i>	telescope, telegraphy
theo	<i>god</i>	theology, theist

### Vocabulary Lesson Four

Write down at least two more examples of words that use each of the roots from this list. Two words are provided for you already as an example.

Root	Usual Meaning	Examples
cardio	<i>heart</i>	cardiograph cardiac
auto	<i>self</i>	autobiography automatic
phono	<i>sound</i>	Phonograph Dictaphone ...
bio	<i>life</i>	Biography biology
chrom	<i>color</i>	Photochromy chromatic
graph	<i>written, drawn</i>	Heliograph graphology
hemi	<i>half</i>	Hemisphere hemicycle
litho	<i>stone</i>	Megalith lithoid
macro	<i>long, large</i>	Macrograph macron
mega	<i>great, large</i>	Megaphone megalomania
photo phos	<i>light</i>	Photograph photosynthesis
sphere	<i>circle</i>	Lithosphere atmosphere

### Vocabulary Lesson Five

Write down at least two more examples of words that use each of the roots from this list. Two words are provided for you already as an example.

Root	Usual Meaning	Examples
metry	<i>measurement</i>	Geometry trigonometry
syn, sym	<i>together, same time</i>	Symmetry synchronize
patho	<i>feeling, disease</i>	Sympathy apathetic
onym	<i>name</i>	Synonym acronym
homo	<i>same</i>	Homonym homogeneous
gen	<i>origin, birth, race</i>	Homogenize eugenics
hetero	<i>different</i>	Heterogeneous heterchromatic
dox	<i>belief, opinion</i>	Heterodox doxology
ortho	<i>straight, correct</i>	Orthodox orthography
odont	<i>tooth</i>	Orthodontist odontology
ped	<i>child</i>	Orthopedic pedagogy
iatric	<i>medical treatment</i>	Pediatric geriatric

### Vocabulary Lesson Six

Write down at least two more examples of words that use each of the roots from this list. Two words are provided for you already as an example.

Root	Usual Meaning	Examples
psych	<i>mind</i>	Psychiatry Psychology
therapy	<i>cure</i>	Psychotherapy hydrotherapy
physio	<i>nature, natural</i>	Physiotherapy physiography
nomy	<i>systematized knowledge</i>	Physiognomy Economy
tax	<i>systematic arrangement</i>	Taxonomy syntax
derm	<i>skin</i>	Taxidermist dermatology
phyte	<i>plant</i>	Dermophyte phytography
neo	<i>recent, young, new</i>	Neophyte Neolithic
logue	<i>word, speech, reason</i>	Neologism logic
di	<i>two</i>	Dialogue ditheism
tome	<i>cut</i>	Dichotomy tonsillectomy
osteo	<i>bone</i>	Osteotome osteopath

Vocabulary Lesson Seven

Root	Usual Meaning	Examples
arch	<i>first, chief, or ruler</i>	Archetype, monarch, oligarchy, gynarchy, archbishop, architect, hierarchy...
biblio	<i>book</i>	Bibliography, bibliomania, Bible, bibliopeggy, bibliotheca, bibliofilm...
cracy, crat	<i>govern, government</i>	Democracy, technocracy, theocracy, autocracy, theocrat...
demo	<i>people</i>	Pandemic, epidemic, demography, demagogue, endemic, democrat...
gam	<i>marriage</i>	Misogamy, polygamy, bigamy, monogamous, heterogamous...
gyn	<i>woman</i>	Philogyny, gynecology, gynecocracy, polygyny, gynephobia...
miso	<i>hatred, wrong, bad</i>	Misogynist, misanthrope, misconduct, misplace, misadventure, misology...
pan	<i>all</i>	Panchromatic, panorama, pantheism, panacea, pansophic...
phil	<i>love</i>	Bibliophile, philanthropy, Francophile, Anglophile, hemophilia, philately...
pod	<i>foot</i>	Tripod, podiatry, antipodes, chiropody, megapod, podium...
soph	<i>wise or wisdom</i>	Philosophy, philosopher, sophistry, theosophic, sophisticated, pansophism....
type	<i>model, print</i>	Typewriter, prototype, typical, type, typify, monotype, archetype...

Vocabulary Lesson Eight

Root	Usual Meaning	Examples
techno	<i>skill, art, or craft</i>	Technocracy, polytechnic, technical, technique, technology, technochemistry...
pyro	<i>fire</i>	Pyrotechnics, pyrex, pyrogenic, apyretic, antipyretic, pyre, pyrometer...
mania	<i>madness for</i>	Pyromania, kleptomania, bibliomania, monomania, maniac, megalomania...
phobia	<i>fear of</i>	Pyrophobia, claustrophobia, Anglophobia, hydrophobia, photophobia...
acro	<i>height, edges, or pointed</i>	Acrophobia, acronym, acrobat, acropolis, acrogen, acrolith...
cephalo	<i>skull, head, brain</i>	Acrocephaly, hydrocephalus, megacephalic, cephalopod, cephalometry, microcephaly...
multi	<i>many</i>	multicephalic, multilingual, multiform, multi-colored, multiplication, multitude ...
morph	<i>form</i>	morphology, amorphous, anthropomorphic, morphene, allomorph, protomorphic...
pseudo	<i>false</i>	Pseudomorph, pseudoscience, pseudonym, pseudoclassic, pseudoaquatic...
carp	<i>fruit</i>	Pseudocarp, acrocarpous, carpology, monocarpus...
endo	<i>within</i>	Endocarp, endocrine, endosperm, endothermic, endomorph, endocardial....
toxic	<i>poison</i>	Endotoxin, toxicology, antitoxin, toxin, toxicant, intoxicated, toxicogenic...

Vocabulary Lesson Nine

Root	Usual Meaning	Examples
hemo	<i>blood</i>	Hemophilia, hemostat, hemoglobin, hemorrhage, toxemia, anemia...
lysis	<i>loosening, destroying</i>	Hemolysis, paralysis, catalysis, hydrolysis, lysimeter, neurolysis...
cyto	<i>cell</i>	Cytolysis, cytogenesis, cytology, cytaster, cytoplasm...
kine, cine	<i>move</i>	Cytokinesis, kinetics, cinema, cinematography, kinescope, kinetograph, kinesiology...
aesthet	<i>feeling, perception</i>	Kinesthesia, telesthesia, aesthete, esthetics, anesthesia...
neuro	<i>nerve</i>	Neurasthenia, neurology, neuralgia, neurosis, neurologist, psychoneurologist...
hiero	<i>sacred</i>	Hierocracy, hierology, hierodule, hierach, heiroglyphyist...
glyph	<i>carve</i>	Hieroglyphic, glyph, glyphography, glyptograph...
paleo	<i>ancient, prehistoric</i>	Paleolithic, paleozoic, paleontology, paleobotany, paleolith, paleography...
zoo	<i>animal</i>	Paleozoology, zoo, zoophobia, zoomorphism, zoometry, zoology, zodiac
proto	<i>first</i>	Protozoan, protocol, protoplasm, proton, protomorphic, prototype...
agon	<i>contest, struggle</i>	Protagonist, antagonist, agony, agonistic, agon, antagonize...

Vocabulary Lesson Ten

Root	Usual Meaning	Examples
trope	<i>turning</i>	Heliotrope, tropic, thermotropism, trope, stereotropism...
cosmo	<i>universe</i>	Cosmology, cosmogony, cosmic, cosmography, microcosm, cosmos ...
polis	<i>city</i>	Cosmopolitan, metropolis, police, metropolitan, politician...
necro	<i>dead</i>	Necropolis, necrophobia, necropsy, necrology, necromancy, necrophilism...
stereo	<i>3 dimension</i>	Stereophonic, stereoscope, stereotype, stereography, stereoscopy...
petro	<i>stone</i>	Petrify, petrous, petroleum, petrolatum, petroglyph, petrology...
idio	<i>personal</i>	Ideograph, idiosyncrasy, idioelectric, idiom, idiophone...
agog	<i>leader</i>	Pedagogue, demagogue, demagogy, mystagogue...
plasia	<i>Mold, change</i>	Plastic, cataplasia, cytoplasmic, neuroplastic, plasticize...
crypt	<i>hidden</i>	Cryptogram, cryptic, cryptogenic, crypt, cryptanalysis, cryptonym...
mechane	<i>machine</i>	Mechanics, machine, mechanize, mechanical, mechanism, mechanotherapy...
iso	<i>equal</i>	Isotherm, isotope, isosceles, isobar, isostatic, isopod...

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### Vocabulary Lesson Eleven

Root	Usual Meaning	Examples
ab	<i>away from</i>	Absent, absention, abscess
be	<i>on all sides, overly</i>	Bemuse, besmear, bemoan
de	<i>reversal, undoing, downward</i>	Devolve, descend, deprogram
dis, dif	<i>not, reversal</i>	Dislike, dislocate, disapprove
ex	<i>out of, former</i>	Exit, exhale, excuse
pre	<i>before</i>	Prefigure, predict, preplan
re	<i>again, restore</i>	Retake, return, relearn
un	<i>do the opposite of</i>	Unlike, unprofitable, unfit
ad	<i>to, toward</i>	Adhere, adhesive, admit
com, con, co	<i>with, together</i>	Community, common, concord
en, em	<i>in, into, to cover or contain</i>	Enmesh, envelope, environment
in	<i>into, not</i>	Invulnerable, invincible, insidious