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INTRODUCTION

Why Teach Greek and Latin Roots?

Almost 70% of the English language is derived from Latin and Greek. When students learn these “building blocks,” it becomes easy for them to recognize and decode unfamiliar words that are related to a known root. It is also increasingly important to explicitly teach students the meanings of Greek and Latin roots as they encounter the very technical vocabulary found in science and other content areas.

Included in This Resource:

Getting to the Root of It: Book 1 is comprised of 20 units, each with 10 words that are related to 3 or more roots.

Each unit contains:

- A 4-page student packet, which includes 6 different vocabulary activities
- An individual “Word & Definition Sort”
- A set of 20 “Concentration” game cards
- A complete word wall with “headers” for each root
- Assessments for each unit
- Student word lists and answer keys

Using This Resource:

Depending on the age and ability level of your learners, this resource can be used in a variety of ways. Students can complete the “Student Packets” independently for homework or in class.

The one activity that can be a little tricky at first are the analogies. If your students are younger or unfamiliar with analogies, it is well worth your time to pre-teach them the 7 general types of analogies. I encourage you to check out [this blog post](#) and download the free analogies mini-book for your students.

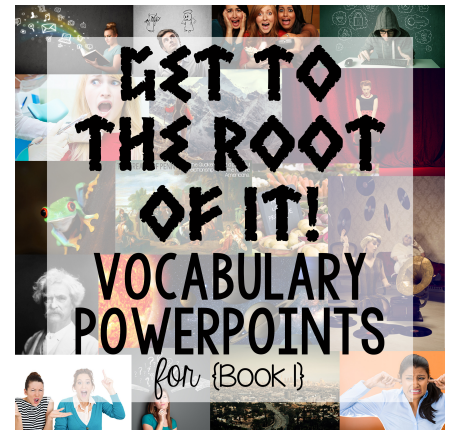
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WORD LISTS

Unit 1: Just Add Water (hydr, aqua/aqu, mar/mer)		Unit 2: All Eyes and Ears (vis/vid, aud, phon)		Unit 3: I Just Gotta Know! (mem, ology, sci)		Unit 4: Around We Go (cycl, circum, centr/center)	
Unit Words	1. marina 2. aquarium 3. hydrant 4. aquatic 5. marine 6. aqueduct 7. hydroelectric 8. maritime 9. aquifer 10. dehydrate	Unit Words	1. visualize 2. vista 3. visionary 4. audible 5. audition 6. audience 7. auditorium 8. cacophony 9. xylophone 10. phonograph	Unit Words	1. memoir 2. memorialize 3. memorable 4. memento 5. geology 6. anthropology 7. etymology 8. science 9. conscience 10. conscientious	Unit Words	1. cycle 2. cyclical 3. cyclone 4. circumference 5. circuit 6. circumstance 7. circumvent 8. central 9. concentric 10. eccentric
	1. hydrophobia 2. hydraulic 3. hydrogen 4. hydroponics 5. hydrodynamics 6. hydrometer 7. submarine 8. marinade 9. mermaid 10. mariner 11. aqueous 12. aquiculture 13. aquamarine		1. auditory 2. audio 3. audit 4. vision 5. video 6. visible 7. visual 8. saxophone 9. telephone 10. phonetic 11. phonics 12. symphony		1. memory 2. memorize 3. memorial 4. memorandum 5. memorabilia 6. biology 7. theology 8. omniscience		1. center 2. egocentric 3. Cyclops 4. cyclist 5. cyclotron 6. circulatory 7. circumnavigate 8. circumscribe

WORD LISTS

Unit 5: Express Yourself! (dict, scribe/script, graph/gram)		Unit 6: A Time and A Place (chron, temp, loc)		Unit 7: I Like to Move it Move It (mob/mot, tract, tend/tens/tent)		Unit 8: And Your Name Is? (hosp, onym, host)	
Unit Words	1. dictate 2. contradict 3. edict 4. autobiography 5. telegram 6. calligraphy 7. graphic 8. inscription 9. transcript 10. prescription	Unit Words	1. chronological 2. chronically 3. chronicle 4. chronograph 5. temporary 6. contemporary 7. location 8. local 9. allocate 10. dislocate	Unit Words	1. mobile 2. motivation 3. motive 4. tractor 5. detract 6. contract 7. attention 8. extend 9. tension 10. contentious	Unit Words	1. hospital 2. hospitable 3. homonym 4. synonym 5. antonym 6. anonymous 7. acronym 8. pseudonym 9. hostile 10. hostage
	1. autograph 2. monograph 3. geography 4. epigram 5. diagram 6. grammar 7. graph 8. dictum 9. indictment 10. dictionary 11. indicate 12. conscript 13. ascribe 14. scripture		1. localize 2. relocate 3. locomotion 4. locale 5. chronic 6. chronology 7. temporal 8. contemporaneous 9. tempo		1. mobilize 2. movement 3. demote 4. attraction 5. traction 6. distract 7. intensity 8. pretense		1. hostess 2. hospitable 3. hospice 4. inhospitable 5. hostel 6. hostility
Additional Words		Additional Words		Additional Words		Additional Words	

WORD LISTS

Unit 9: Life, Light, & Love (bio, photo, phil)		Unit 10: The More the Merrier (plur, multi/poly, mega)		Unit 11: I is the Loneliest Number (mono, uni, sol)		Unit 12: It Takes Two (bi, du, ambi/amphi)	
Unit Words	- biology - biodegradable - biography - photography - photosynthesis - photon - Philadelphia - philanthropist - philosophy - bibliophile	Unit Words	- plural - pluralism - multiply - multidisciplinary - polygon - polytheistic - multitude - multimedia - megalopolis - Megalosaurus	Unit Words	- monologue - monotone - monotonous - unison - unicorn - unify - unique - solitude - solo - solar	Unit Words	- bicycle - bilingual - biannual - duet - duplex - dual - ambidextrous - ambivalent - ambiguous - amphibious
	- bionic - biosphere - biological - biopsy - biorhythm - photocopy - telephoto - photogenic - philharmonic - philander		- pluralist - plus - polymer - polyester - myriad - multifaceted - multipurpose - megaphone - megalith - megalomania		- unit - unity - union - unilateral - monocle - monopoly - monochrome - monarchy - monogram - monastery - sole - solitary - solstice		- duplicate - duel - duplicity - bicentennial - bicuspid - binocular - billion - bifocal - bilateral - biennial - amphibian
Additional Words		Additional Words		Additional Words		Additional Words	

WORD LISTS

Unit 13: Three, Four, Five (tri, quad/quar, penta/quint)		Unit 14: Six, Seven, Eight (hex/sex, sept, oct)		Unit 15: Nine, Ten, Hundred (non/nov, deci/deca, cent)		Unit 16: The Nature of the Beast (anim, carn, phys)	
Unit Words	1. triathlon 2. trilogy 3. trimester 4. trident 5. quadrangle 6. quartet 7. quart 8. pentagon 9. pentagram 10. quintuplet	Unit Words	1. hexagon 2. sextant 3. September 4. septennial 5. septet 6. septuagenarian 7. octagon 8. octave 9. October 10. octopus	Unit Words	1. 1. November 2. nonagon 3. decade 4. decimeter 5. decimal 6. century 7. percent 8. centigrade 9. centurion 10. centimeter	Unit Words	1. animal 2. animate 3. animator 4. inanimate 5. carnivorous 6. reincarnate 7. physical 8. physician 9. physics 10. physicist
	1. triceps 2. triune 3. triplicate 4. trinity 5. trisect 6. triceratops 7. quadriceps 8. quadrilateral 9. quadrille 10. decapod 11. quintessence		1. sextuplet 2. octopod 3. octahedron 4. octogenarian		1. nonagenarian 2. noon 3. decathlon 4. decagon 5. decibel 6. decimate 7. cent 8. centipede		1. animation 2. carnivore 3. carnage 4. incarnation 5. incarnate
Additional Words		Additional Words		Additional Words		Additional Words	

WORD LISTS

Unit 17: Can I Trust You? (fals/fall, cert/cred, phob)		Unit 18: Can't We Just Get Along? (arm, fen, cid/cis)		Unit 19: Oh, The Places You'll Go! (vi, urb, terr)		Unit 20: Meet Me in the Middle (med, semi/hemi, equ)	
Unit Words	1. false 2. fallacy 3. falsify 4. certain 5. credulous 6. credence 7. credible 8. creed 9. phobia 10. claustrophobic	Unit Words	1. armory 2. armada 3. armadillo 4. defend 5. offense 6. fender 7. scissors 8. decide 9. incisor 10. insecticide	Unit Words	1. via 2. deviate 3. obvious 4. urban 5. suburb 6. suburbanite 7. terrestrial 8. terrain 9. terra-cotta 10. territory	Unit Words	1. medium 2. median 3. mediocre 4. mediate 5. semicircle 6. hemisphere 7. semicolon 8. equitable 9. equator 10. equidistant
	1. hydrophobia 2. arachnophobia 3. infallible 4. credit 5. credential 6. certificate 7. certified		1. incision 2. excise 3. arms 4. army 5. armament 6. fend		1. devious 2. urbanize 3. subterranean 4. terrace 5. interment		1. medieval 2. media 3. Mediterranean 4. equity 5. equilateral 6. equilibrium 7. equation 8. equivocate 9. semimonthly 10. semiconductor 11. semifinal
Additional Words		Additional Words		Additional Words		Additional Words	

UNIT 1: JUST ADD WATER



Root Word	Meaning	Origin
hydr	water	Greek
aqua/aqu	water	Latin
mar/mer	sea	Latin



dehydrate

(v) - to lose water or moisture; to become dry

Marathon runners can become **dehydrated** during a race if they do not drink enough water.

hydroelectric

(adj) - related to electricity that is made from the energy of falling water

Water that is released from the Bonneville Dam turns many turbines, large wheels, and makes **hydroelectric** energy.

hydrant

(n) - an upright pipe with a spout, nozzle, or other outlet, usually in the street, for drawing water from a main pipe, especially for fighting fires

The firefighters hooked up a large hose to the fire **hydrant** and started to spray the burning house with water.

aquatic

(adj) - living or taking place in water

Water polo is my favorite **aquatic** sport.

aqueduct

(n) - a channel that has been built to carry water over long distances

Our drinking water is carried from the mountains through large **aqueducts** until it finally makes its way to us.

aquarium

(n) - a glass tank or bowl in which fish or other aquatic animals live

He loved to sit and watch the fish swim back and forth in the **aquarium**.

aquifer

(n) - an underground layer of rock that water continually moves through

The homesteaders dug their well right over the **aquifer** in order to get a clean and steady supply of water.

marine

(adj) - related to the sea; existing in or produced by the sea

The oil spill near the Gulf Coast harmed many **marine** animals and plants.

marina

(n) - a small harbor where small boats can dock

We looked out at the **marina**, watching the sail boats come and go.

maritime

(adj) - on or near the sea

The Chesapeake Bay is know for its **maritime** industries such as fishing and crabbing.

1A: SENTENCE COMPLETION

DIRECTIONS: Complete the following sentences with the correct word from your list.
Each word will be used only once.



dehydrate

hydroelectric

hydrant

aquatic

aqueduct

aquarium

aquifer

marine

marina

maritime

1. The boats were bobbing up and down in the _____.
2. The _____ was filled with colorful fish and coral.
3. You should never park in front of a _____ in case there is a fire and emergency crews need to get to it.
4. We played a number of _____ games in the pool.
5. We saw fish, crabs, and many other types of _____ life.
6. They are building another _____ to carry more water to the city.
7. _____ energy from dams is much cleaner than burning fossil fuels and therefore better for our environment.
8. The _____ villages depended greatly on fishing and ship building to survive.
9. The water that flows through an underground _____ may later become part of our water supply.
10. When the weather is hot you should drink plenty of water so you do not _____.

1B: YES or NO?

DIRECTIONS: Respond to the following statements by circling "Yes" or "No."

1. **Yes No** Deserts are usually located in **maritime** regions.
2. **Yes No** **Aquifers** are human-made structures that water flows through.
3. **Yes No** An **aquarium** can hold water without leaking.
4. **Yes No** All fire **hydrants** are bright yellow.
5. **Yes No** You can become **dehydrated** if you do not drink enough water.
6. **Yes No** An **aqueduct** is like a large underground lake.
7. **Yes No** Large ships and oil tankers can dock in a **marina**.
8. **Yes No** **Hydroelectric** energy is created by moving water.
9. **Yes No** **Marine** life also refers to fresh water fish in lakes and ponds.
10. **Yes No** Swimming is considered an **aquatic** sport.

1C: CHOOSE TWO

DIRECTIONS: Choose two words that BEST explain or define the bold root word.

- | | | | | |
|-------------------------|----------------|-------------|------------|---------------|
| 1. dehydrate | a. moist | b. dry | c. arid | d. water |
| 2. hydroelectric | a. energy | b. gas | c. ocean | d. power |
| 3. hydrant | a. pipe | b. burn | c. hose | d. spout |
| 4. aquatic | a. mountains | b. pool | c. ocean | d. desert |
| 5. aqueduct | a. river | b. passage | c. channel | d. lake |
| 6. aquarium | a. fishbowl | b. cage | c. pond | d. fish tank |
| 7. aquifer | a. underground | b. dirty | c. beach | d. watery |
| 8. marine | a. valley | b. nautical | c. sea | d. lake |
| 9. marina | a. airport | b. cars | c. dock | d. harbor |
| 10. maritime | a. coastal | b. oceanic | c. snow | d. rainforest |

1D: ANALOGIES

DIRECTIONS: Circle the analogy that BEST matches the bold words.

- | | | |
|---|---|---|
| 1. WATER POLO : AQUATIC
a) baseball : football
b) goalie : soccer
c) horse racing : equestrian
d) water : swimming | 2. DEHYDRATED : WATER
a) coke : juice
b) coffee : tea
c) thirsty : hungry
d) starving : food | 3. MARINA : BOATS
a) ocean : bikes
b) parking lot : cars
c) river : rafts
d) planes : sky |
| 4. STARFISH : MARINE
a) polar bear : arctic
b) fish : whales
c) dogs : cats
d) horse : desert | 5. ROCK : AQUIFER
a) water : lake
b) ocean : shells
c) magma : lava
d) underground : sand | 6. WATER : HYDROELECTRICITY
a) fossile fuels : gas
b) mammals : reptiles
c) dam : river
d) food : plants |
| 7. HYDRANT : EXTINGUISH
a) refrigerator : cool
b) books : paper
c) ocean : breeze
d) fire : water | 8. FISH : AQUARIUM
a) dog : cat
b) hamster : cage
c) barn : horse
d) water : glass | |
| 9. WAVES : MARITIME
a) cold : hot
b) bay : pier
c) snow : mountains
d) swim : ocean | 10. AQUEDUCT : WATER
a) channel : mud
b) brick : house
c) waterfall : stream
d) vein : blood | |



♥na2

1E: TIME TO EXPLORE

DIRECTIONS: Sort the words from this lesson into the table below. Then find additional words with the same roots and place them in the appropriate column/row.

root	verb	noun	adjective	adverb
hydr				
aqua/ aqu				
mar/ mer				

1F: APPLY WHAT YOU KNOW

DIRECTIONS: Answer the questions below.

- How are **aquifers** and **aqueducts** alike and different?

- What are some examples of **maritime** jobs?

- When would you use **marine** as an adjective? **Aquatic**?

- What things might you see, hear, or smell at a **marina**?

- How can you prevent becoming **dehydrated**?

UNIT 1: WORD & DEFINITION MATCH

DIRECTIONS: Cut out the pieces below and match the words with the correct definitions.

dehydrate	on or near the sea
marina	a channel that has been built to carry water over long distances
aquarium	to lose water or moisture; to become dry
maritime	an upright pipe with a spout, nozzle, or other outlet, usually in the street, for drawing water from a main or service pipe, especially for fighting fires
hydroelectric	living or taking place in water
aquifer	related to the sea; existing in or produced by the sea
aquatic	a glass tank or bowl in which fish or other aquatic animals live
aqueduct	related to electricity that is made from the energy of falling water
marine	an underground layer of rock that water continually moves through
hydrant	a small harbor where small boats can dock

dehydrate
(verb)

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Unit: 1, Book: 1

to lose water or
moisture;
to become dry

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Unit: 1, Book: 1

hydroelectric
(adjective)

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Unit: 1, Book: 1

related to electricity
that is made from the
energy of falling water

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Unit: 1, Book: 1

hydrant
(noun)

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Unit: 1, Book: 1

an upright pipe with a spout,
nozzle, or other outlet, usually
in the street, for drawing water
from a main or service pipe,
especially for fighting fires

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Unit: 1, Book: 1

aquatic
(adjective)

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Unit: 1, Book: 1

living or taking
place in water

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Unit: 1, Book: 1

aquarium
(noun)

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Unit: 1, Book: 1

a glass tank or bowl
in which fish or other
aquatic animals live

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Unit: 1, Book: 1

aquifer
(noun)

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Unit: 1, Book: 1

an underground
layer of rock that
water continually
moves through

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Unit: 1, Book: 1

marine
(adjective)

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Unit: 1, Book: 1

related to the sea;
existing in or
produced by the sea

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Unit: 1, Book: 1

marina
(noun)

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Unit: 1, Book: 1

a small harbor where
small boats can dock

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Unit: 1, Book: 1

maritime
(adjective)

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Unit: 1, Book: 1

on or near the sea

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Unit: 1, Book: 1

aqueduct
(noun)

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Unit: 1, Book: 1

a channel that
has been built to
carry water over
long distances

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Unit: 1, Book: 1

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Unit: 1, Book: 1

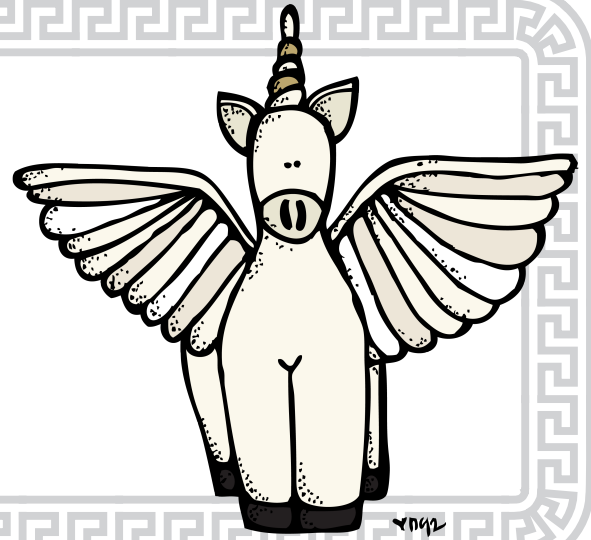
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hydr

Greek - water

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mq2

Unit: 1, Book: 1



aqua/aqu

Latin - water

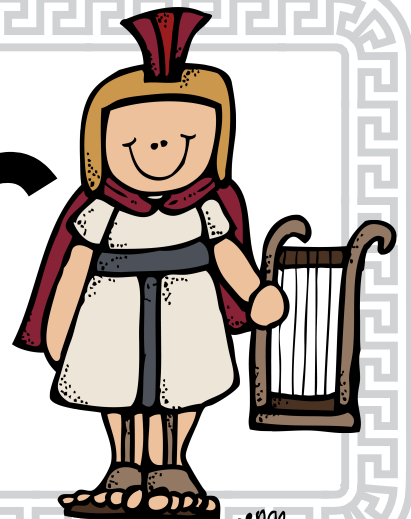
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mar/mer

Latin - sea

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mq2

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dehydrate

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hydroelectric

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Unit: 1, Book: 1

hydrant

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Unit: 1, Book: 1

aquatic

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Unit: 1, Book: 1

aqueduct

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aquarium

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aquifer

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marine

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marina

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maritime

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preview
Word Wall

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Unit: 1, Book: 1

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~GET TO THE ROOT OF IT: BOOK 1~

UNIT 1 TEST

DIRECTIONS: Complete the following sentences with the correct word from the "word bank." Each word will be used only once.

1. A trout is not considered a _____ species because it lives in freshwater streams, rivers, and lakes.
2. It is important that we utilize alternative energy sources, such as _____ power, in order to reduce the burning of fossil fuels.
3. The scientists were studying a number of _____ plants to see if pollution from the nearby factory was affecting the pond.
4. Because there wasn't an accessible _____ near the house, the firefighters were unable to save our home from the fire.
5. The severe drought left the local _____ almost empty, which prevented the farmers from properly watering their crops.

Word Bank

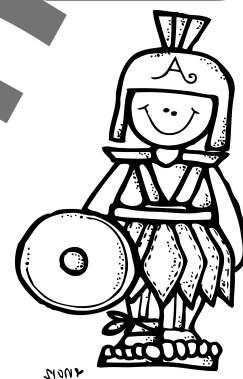
hydroelectric

hydrant

marine

aqueduct

aquatic



DIRECTIONS: Complete the multiple choice items below.

6. Choose an antonym for **dehydrate**.
(a) parch (b) arid (c) moisten (d) rainforest
7. What might you hear if you were in a **marina**?
(a) barking dogs (b) crying babies
(c) loud sirens (d) screeching seagulls
8. Choose a synonym for **maritime**.
(a) oceanic (b) terrestrial (c) atmosphere (d) vessels
9. Why might **aquifers** be important to humans?
(a) They provide a place for recreational fun, like boating, swimming, and fishing.
(b) The rocks within them help to filter and clean flowing groundwater.
(c) They provide water and shelter to many desert animal species.
(d) They took many years to build and they bring water to large cities.
10. **aquarium** : water :: vase : _____
(a) fish (b) glass (c) rocks (d) flowers

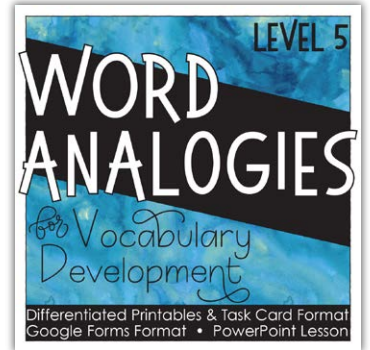
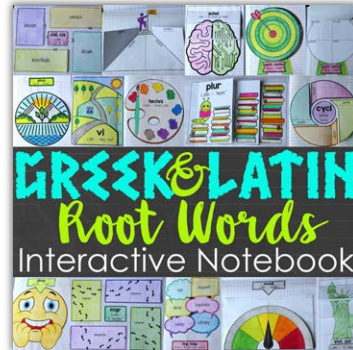
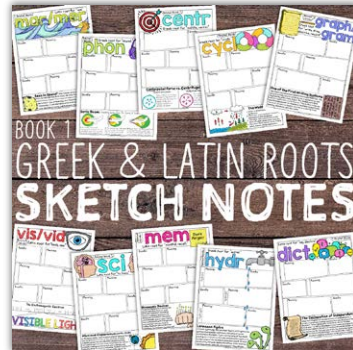
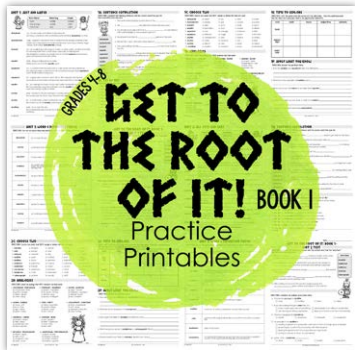


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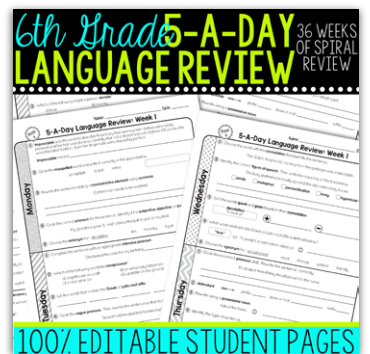
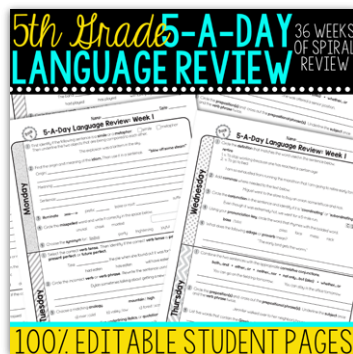
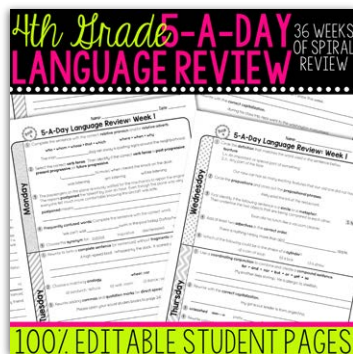
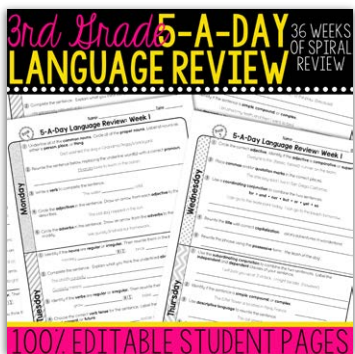


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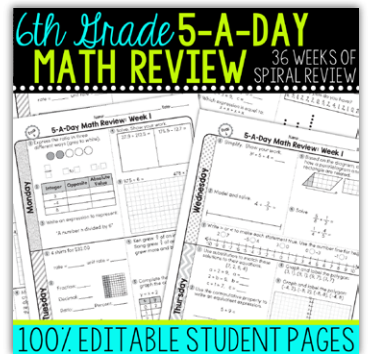
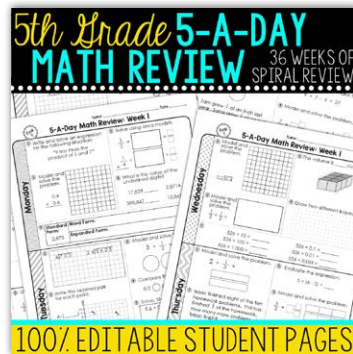
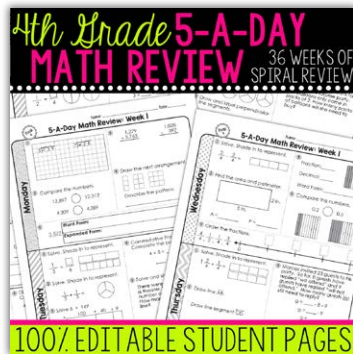
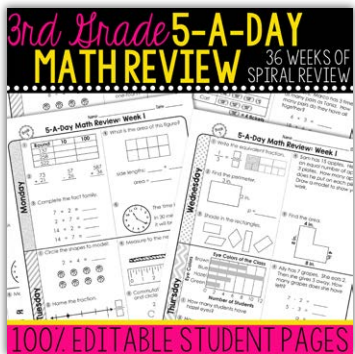
VOCABULARY RESOURCES



DAILY LANGUAGE REVIEWS (GRADES 3-8)



DAILY MATH REVIEWS (GRADES 3-6)



HANDS-ON MATH TILES

