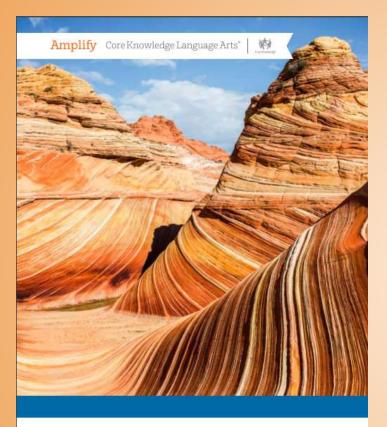


Lesson 6: Volcanoes, Geysers, and Hot Springs





We are going to be reading chapter 4: Earth's Fiery Volcanoes

Before we start reading, let's go over some vocabulary first! Turn to Activity page 6.1 (workbook page 49)

Unit 5 Reader Grade 4

Geology: The Changing Earth



Vocabulary for "Earth's Fiery Volcanoes"

- volcano, n. a hill or mountain that forms over a crack in Earth's crust from which lava erupts (volcanoes) (32)
- 2. **crater**, *n*. a bowl-shaped opening at the top of a volcano or geyser (32)
- 3. fine, adj. very small (33)
- subduction zone, n. the place where one tectonic plate is sliding beneath another tectonic plate (subduction zones) (36)
- 5. descend, v. to move downward (descends) (36)
- 6. **hotspot**, *n*. a very hot region deep within Earth's mantle where a huge magma chamber forms (**hotspots**) (38)
- 7. **plume**, *n*. a column of magma that rises from the mantle into a chamber beneath Earth's crust (40)
- 8. hot spring, n. a naturally flowing source of hot water (hot springs) (40)

Let's echo read the words and then we will discuss a few unfamiliar words!







THE BIG QUESTION

Turn to page 32 in your reader and follow along as we begin to read this chapter









Now let's turn to **Activity Page 1.3** (workbook page 5) to look at the Evidence Collector's Chart



Evidence Collector's Chart

Chapter #	What is the cause?	What evidence is there?	Letter	
	At some point, Pangaea broke apart and the pieces slowly moved apart over a long period of time.			We can no of our Evi Chart! Let
	Tectonic plates move very slowly due to the heat and pressure in Earth's mantle.		Evidence V E	e of Changes on Earth
	Material in the mantle moves beneath stuck rocks at a fault, causing pressure to build over time and then suddenly release as the rocks break and slip past each other, shaking the ground.		C	N D D

ow complete row 4 idence Collector's et's take a look!



Word Work: fine

Text Example:

"The fine ash particles in the air blocked some of the sunlight reaching Earth's surface."

Meaning: very small

Part of speech: adjective



My Example:

"We shredded the cheese for our tacos into very fine pieces."

Alternate Meaning: very well or pleasant



Meaning 1 - very small

Meaning 2 — very well or pleasant









COMMAS

A comma is a punctuation mark used to separate words or numbers in dates and addresses, as well as a series of words in a sentence.

A comma is also used to indicate that a pause is needed in a sentence. When used with quotation marks, a comma helps to set off a quotation from the rest of a sentence and indicates that a pause is needed.

QUOTATION MARKS

Quotation marks are punctuation marks used to show exactly what a person says or has said (dialogue).

They are also used when copying the exact words from a written text.

The text states, "Erupting volcanoes are dramatic natural events."



QUOTATION MARKS

Sentences with quotes can also be reorganized into a split or interrupted quotation. Look at how the sentence would look...

"Erupting volcanoes," the text states, "are dramatic natural events."



QUOTATION MARKS

Let's look at some more examples...What month is your birthday? 1-4 do sentence 1; 5-8 do sentence 2; 9-12 do sentence 3

What I asked my friends is your favorite color?

Green Seth responded is my favorite color.

My favorite color Bonnie said is purple.



Time to practice!



DATE:		6.2 TAXE-HOME	
Con	nmas and Quotation Marks		
	ng a comma or commas and quotation marks to use correct capitalization and end punctuo		
Example: The time he ex	plained is 3:47 pm		
"The time," he	explained, "is 3:47 pm."		ral billion years
You don't have to look ha	ard the teacher said to find rocks		rai omion years
		-0X	
	4	UL.	
Students might ask what	are rocks? before reading		
	-Ko		
	are rocks? before reading , le is		dimentary and
			dimentary and
	rring materials made of solid substances the		dimentary and
			dimentary and
Rocks are naturally occur	rring materials made of solid substances the		dimentary and
Rocks are naturally occur	rring materials made of solid substances the	author explains	dimentary and
Rocks are naturally occur	rring materials made of solid substances the	author explains	dimentary and
	rring materials made of solid substances the	author explains	dimentary and

Turn to Activity
Page 6.2
(workbook page
51) We will do
the first one
together.

The rest is homework!

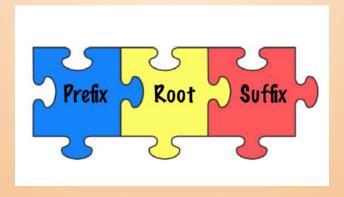


Root: rupt

Meaning: to break or burst



Adding prefixes and suffixes to root words can change its meaning and part of speech.





Root: rupt

Word	Part of Speech	Meaning
erupt	verb	send out rock, lava, and ash in a sudden explosion
eruption	noun	process of sending out rock, lava, ash in sudden explosion
abrupt	adjective	sudden, unexpected; breaking through suddenly
disrupt	verb	cause disorder by breaking through what is happening
rupture	noun	A break or burst
uninterrupted	adjective	continuing without breaking or being stopped





Write a complete sentence for each of the following words. Be sure to use correct capitalization and punctuation.

disrupt	

D	ATE:			
1077	*****			
		Root rupt		
	rite the correct word to comp ike the word correctly fit in ti	ete each sentence. You may ne le sentence.	eed to add -ed, -ing, or -s to	
Г	uninterrupted	erupt	disrupt	
	rupture	abrupt	eruption	
_				
1.	A volcanic	is usually sudden an	d violent.	_
2.	When my friend lied to m	e, it caused a(n)	in ou any od P	
3.	My parents say it's bad for television, so they limit ho	me to spend_ w much I can warch.	d violent. in ou made	
4.	Old Faithful is a geyser in several times a day.	Yellowst 1. No 10 11 Parleth	at	
5.	Sometimes my dog the night.	my sleep wh	nen she barks in the middle of	tje i zerojungo želi
6.	During an argument, pay l	orother left the room in a(n)	way	

Complete
Activity Page
6.3 for
homework.



Spelling Let's start by echo reading each word!

hierarchy

matriarch

archrival

anarchy

autograph

biographer

calligraphy

paragraph

eruption

uninterrupted

rupture

abrupt

Tear out Activity page 6.4 and keep it in your red folder this week!





Remember to complete Activity Pages 6.2 and 6.3 for homework