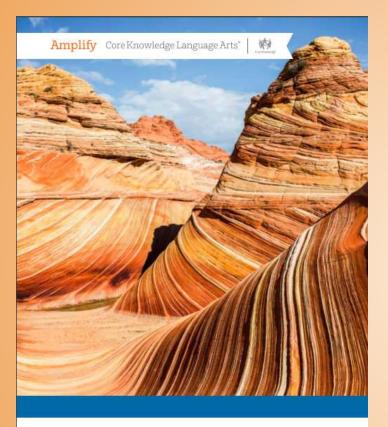


Lesson 10: Weathering and Erosion, Part 1

Let's take a look at Activity page 9.1 before we get started!





We are going to be reading chapter 7: Earth's Powerful Forces of Change

Before we start reading, let's go over some vocabulary first! Turn to Activity page 10.2 (workbook page 101)

Unit 5 Reader Grade 4

Geology: The Changing Earth



Vocabulary for "Earth's Powerful Forces of Change"

- 1. expand, v. to get bigger (63)
- 2. contract, v. to shrink slightly or get smaller (63)
- 3. ultimately, adv. finally; at the end of a process (65)
- 4. pepper, v. to sprinkle or cover (67)
- 5. **deposit, 1.** *v.* to put or leave something in a particular place; **2.** *n.* material laid down or left by a natural process (*v.* **deposited**, *n.* **deposits**) (69)
- 6. state, n. the condition of being a solid, liquid, or gas (67)
- 7. silt, n. very small sediments deposited by water (69)
- canyon, n. a deep valley with steep sides and often a stream or river flowing through it (canyons) (70)

Word(s) from the Chapter	Pronunciation	Page	
Yunnan	/y <u>oo</u> *nan/	65	
Shilin	/shee*leen/	65	

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





WEATHERING

Chemical



Do you remember the difference?



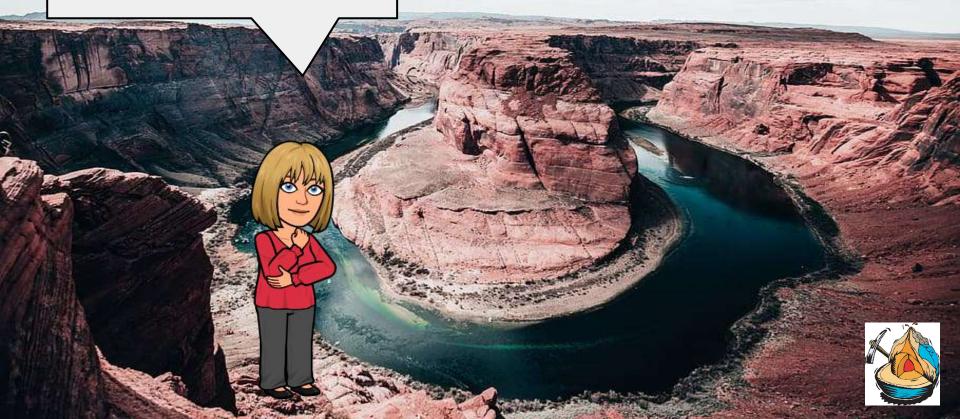






How do weathering and erosion continually change the Earth's surface?

Turn to Activity Page 10.3 (workbook page 103)







Choose 3 words to use in the chart on Activity Page 10.3 for homework!

	44
ME:	
NTE:	

Earth's Powerful Forces of Change

The following words were used in Chapter 7, "Earth's Powerful Forces of Change." For each word, pick an activity and complete the chart below.

sweep	Vocabulary Activities
1930c-54	Write a definition in your own words.
finest	2. Provide a synonym (similar meaning).
	3. Provide an antonym (opposite meaning).
accumulate	4. Use the word in a sentence.
countless	 Provide another word that the word or phrase makes you think of and explain why. Apple makes me think of bananas because they are both fruits.]
deposit	6. Think of an example of the word or phrase and write about it. (An example of
125 125	fruit is cantaloupe. It is a melon that is white on the outside and orange on the
massive	inside. They are really tasty in the summer.)

Word	Activity	Activity Response	
		Activity Response	
		200	
	4400	7	

Core Enowledge Language Arts | Grade 4

Activity Sooi | Unit 5 103

TAKE HOME



Word Work: state

Text Example:

"Water doesn't have to be in its liquid state to erode sediments."

Meaning: condition of being solid, liquid, or gas

Part of Speech:



My Example:

Water flowing from the faucet is in a liquid state, but water frozen in an ice cube tray is in a solid state.

Alternate Meaning: there are 2 alternative meanings

Meaning 1 — one of many smaller units of government that make up a country

Meaning 2 - the condition of being a solid, liquid, or gas

Meaning 3 – to
express
something in
speech or writing









Wiki Entry

Let's go back to our Wiki Entry.

Turn to Activity Page 7.4 (workbook p. 73). We are going to use my Wiki Entry to go through the rubric. Then we will look again at my Wiki Entry while using the Editing Checklist.

Volcano

Description

A volcano is a hill or mountain that forms over a crack in Earth's crust from which lava erupts.

Location

Volcanoes occur all over the world, particularly along tectonic plate boundaries and above hotspots.

Types of Volcanoes

There are three types of volcanoes:

- active
- dormant
- extinct

An active volcano has erupted in the past 10,000 years and is likely to erupt again. A dormant volcano is considered active but has not erupted for a very long time—several hundred years, for example. An extinct volcano has not erupted for at least 10,000 years. An extinct volcano no longer has a chamber full of magma beneath it, so it is not expected to erupt again.

Additional Information

Volcanoes can be creative forces. They can add new land to our planet and bring minerals from deep inside the earth to the surface. Volcanoes can also be dangerous and destructive. They can fill the air with poisonous gases and hot ash. They can also release rivers of lava that destroy everything in their path. Volcanoes can add things to Earth's surface but can also destroy things on Earth's surface.

References

The Changing Earth (2014)





Now you will work with your Speed Dial 3 partner to review and edit your Wiki Entries. Use the comments from me, the rubric, and the checklist.



Wiki Entry Rubric

Developing

Initial section(s)

loosely related to

of volcano

provide information

location and/or type

Additional sections

provide some

	Exemplary	Strong
Introduction	Initial section(s) provide accurate, general information related to location and type of volcano	Initial section provide accu information r to either loca type of volca not both
Body	Additional sections provide increasingly specific information about the volcano	Additional se provide more information a volcano
Conclusion	A final statement provides a thought- provoking summative or closing reflection about the volcano	A final staten provides a su or closing ref about the vo
Structure of the Piece	All sentences in sections are presented logically	Most sentend in sections ar presented lo
	All information has been paraphrased	Most informa been paraph

Wiki Entry Editing Checklist

Beginning

volcano

Initial section(s) lack

information related to

location and type of

Additional sections

provide little to no

Wiki Entry Editing Checklist	After checking for each type of edit, place a check here
Meaning	
All my sentences have a subject and predicate.	
I included all the words I wanted to write.	
I took out repeated words or information.	
I have checked how long my sentences are and split run-on sentences into two.	
I have used nouns and adjectives correctly.	
Format	
The volcano name is the title at the top.	
Each section of the entry has a heading.	
Indenting is not used.	
If lists are included, they are bulleted or numbered.	
There is a reference list at the end in the appropriate format.	
Capitals	
I began each sentence with a capital letter.	
I used capital letters for all proper nouns.	
I used capital letters for all words in titles or headings.	
Spelling	
I have checked the spelling for any words I was unsure of or my teacher marked.	
Punctuation	
I read my writing piece aloud to check for commas at pauses and periods, question marks, and exclamation points at the ends of my sentences.	

I used commas and quotation marks in places where they belong.

The titles in my reference list are underlined or in italics.







Remember to complete Activity Page 10.3 for homework!

