

Name _____ Date _____ Period _____

There she blows!

Volcano Webquest

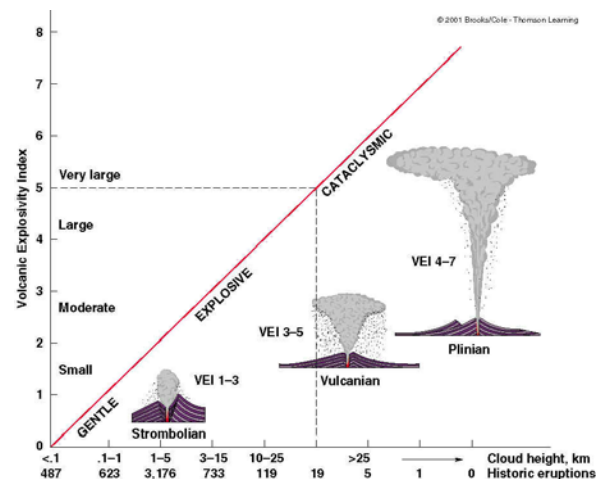
Directions: Open the hyperlink. Highlight the link and then click on open hyperlink or hold down the control key and left click on the hyperlink.

1. Volcano Explosivity Index

Click on the following hyperlink.

[Volcanic Explosivity Index](#)

The Volcano Explosivity Index is a scale designed to express the severity of volcanic eruptions. List the VEI (Volcano Explosivity Index) number and the description type for the following volcanoes:



Name of Volcano	VEI	Description Type
1. Kilauea		
2. Stromboli		
3. Mount Saint Helens		
4. Yellowstone		

2. Sightseeing at Hawaii Volcanoes National Park

[Hawaii Volcanoes National Park Visitor Information : Discovery Channel](#)



Read the selection titled, "Sightseeing at Hawaii Volcanoes National Park."

1. Name the two famous volcanoes that you would be able to see or explore if you visited this national park.

1.

2.

2. Describe 2 adventures or sights that you might see or experience there.

1. _____

2. _____

3. Pompeii

Click on the hyperlink below to watch the video clip "Understanding Volcanoes: Images from Pompeii." Answer the following questions.

[Understanding Volcanoes: Images from Pompeii : Video : Discovery Channel Channel](#)

1. Who wrote letters about the eruption at Pompeii? _____

2. How many people died when Mt. Vesuvius erupted in 79 A.D? _____

3. Name two things the people died from in the volcanic eruptions.

a. _____ b. _____

4. Circle the type of volcano that Mt. Vesuvius is today.

ACTIVE

INTERMITTENT

DORMANT

EXTINCT

4. Surtsey

The volcanic island of Surtsey was formed in a short time from the years 1963-1967. Surtsey rose from the ocean waters off the coast of Iceland, yet plants and animals have managed to inhabit this island. Click on the hyperlink and read about the colonization of Surtsey. **List the three ways that organisms arrived at Surtsey and give an example of an organism for each way.**



[Surtsey - Colonization of the land](#)

Method of arrival	Example organism
1.	
2.	
3.	

5. Quiz Your Noodle

Click on the hyperlink below and “Quiz Your Noodle” on volcano trivia. When you are finished, place your score and percentage on the line below.

[Quiz Your Noodle: Volcanoes](#)

SCORE = ____/10

PERCENTAGE = ____%



6. Ring of Fire

The Ring of Fire is the site of frequent earthquakes and volcanic eruptions due to the numerous plate boundaries that encircle the Pacific Plate. List all of the tectonic plates that surround the Ring of Fire.



Pacific Ring of Fire

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

7. Volcanoes on Other Planets

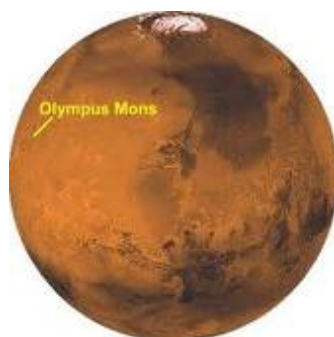
Read the article and answer the questions when you click on the following link.

Volcanoes on Other Planets

List 3 planets that **have or had** volcanic activity.

1. _____
2. _____
3. _____

What is the most volcanically active body in our solar system? _____

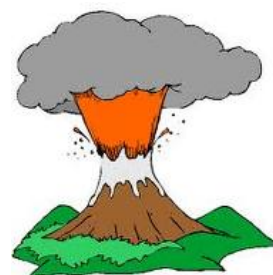


8. Build a Volcano

Click the following link.

[Virtual Volcano: Build your own volcano](#)

Read the directions and information on the screen. Then **set the conditions** at the lower left of the picture.



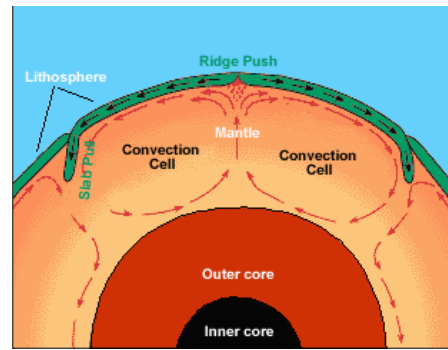
Build 3 different types of volcanoes. Identify the chosen conditions, type of volcano and write a description of the eruption.

	Vicosity Level	Gas Level	Volcano Type	Eruption Description
1.				
2.				
3.				

9. Ology

Click on the hyperlink.

[Ology - Plates on the Move](#)



Click on three different red dots on the map and complete the chart below.

Name of Location	Type of Movement – from animation	One interesting fact from the story tab
1.		
2.		
3.		

10. Extra Credit

Click on the hyperlink below to complete a virtual jigsaw puzzle from Yellowstone. If you choose to complete this section, see your teacher when you are finished to receive extra credit.

[Discovery Channel :: Supervolcano](#)

