

Volcanoes-Webquest

Name _____ Date: _____ Period _____

Click on the webpage: <http://www.encyclopedia.com/topic/Volcanoes.aspx>

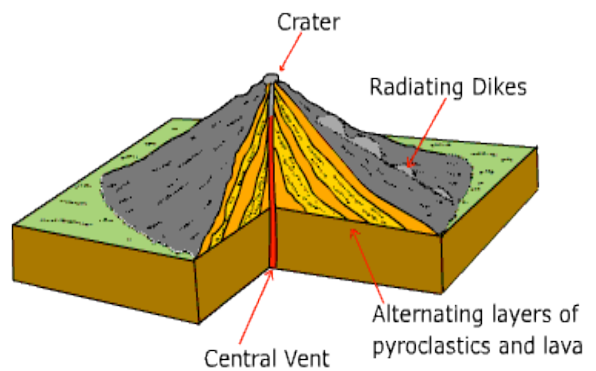
Define the following terms:

1. Volcano
2. Volcanic activity
3. Caldera
4. Hot spot
5. Lava
6. Magma
7. Pyroclastic flow

****Remember: Magma rises because it is less dense than the solid rock around it.**

8. There are many structures within a volcano. Using the website <http://www.volcanolive.com/> click on "volcanology" and then navigate to the glossary to define the following structures.

- a. magma chamber
- b. pipe
- c. vent
- c. crater



Using http://www.geology.sdsu.edu/how_volcanoes_work/Volcano_tectonic.html answer the following questions.

9. Volcanoes can primarily be found in three tectonic environments. List and explain all three. Then look the web page at the end of this question

a)

b)

c)

10. List three hot spot locations associate with the mid-oceanic ridge.

11. Navigate to the hotspot map. List four specific hot spots from the map.

OTHER IGNEOUS FEATURES

Read the following website to answer the following questions.

<http://volcanoeruptions.wikispaces.com/Igneous+Intrusions>

12. List the six types of intrusions and describe their shape and size.

a)

b)

c)

d)

e)

f)

Read the article “Highway from Hell”

http://www.nbcnews.com/id/52632801/ns/technology_and_science-science/

What volcano is the article about, and where is it located?

At what speed did the magma rise from the mantle (Km / month)?

Irazú volcano is an _____, rising above a _____ where two of Earth's tectonic plates collide and one dives into the mantle.

What type of crystals are the authors analyzing from arc volcanoes?

View this recent video of an erupting volcano.

http://www.slate.com/blogs/the_slatest/2015/12/03/mt_etna_erupts_in_spectacular_volcanic_event.html

Where is this volcano, what is its name?

What is the name of the stunning event that occurred with this eruption?

View the eruption from space.

Complete the online quiz at the following address.

<http://www.sciencemonster.com/earth-science/volcanoes-quiz.html>

You must show Mrs. Gomez your quiz grade score and have her sign this before signing off of your computer.

Quiz Grade: _____ out of 10 correct.