

Volcanoes--Webquest Name _____ Date: _____
Period _____ Directions:

Go to <http://volcanoes.usgs.gov/activity/status.php>

List three volcano alerts, including name of volcano, location and status.

- 1.
- 2.
- 3.

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
- d. 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. Navigate to: <https://www.whoi.edu/oceanus/feature/hitting-the-hotspots/>

11. List three hot spot locations associated with the mid-oceanic ridge.

12. Navigate to <https://www.thoughtco.com/map-of-world-hotspots-1441100>.

List four specific hot spots from the map.

OTHER IGNEOUS FEATURES Read the following website to answer the following questions. <http://www.geologyin.com/2018/03/types-of-intrusive-igneous-rock.html>

13. 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 erupting volcanoes

<https://www.youtube.com/watch?v=zFIWWM0lv-U>