Honors Earth Science

Volcano Warmup

1. List the three most common places for volcanoes to occur

a.

b.

c.

1. Where do the majority of volcanic activities on Earth occur?
2. What is the type of volcanic eruption dependent on?
3. Dormant, active or extinct

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ no current activity but erupted recently

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ No activity for some time; will probably never erupt again

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Currently erupting or showing signs of erupting soon

1. The two types of magma

a.

b.

1. The two types of eruptions

a.

b.

1. Types of lava flow from effusive eruptions

a.

b.

c.

1. Determine whether each of the following is due to mafic or felsic magma

 \_\_\_\_\_\_\_\_ a. pillow lava

 \_\_\_\_\_\_\_\_ b. Effusive eruption

 \_\_\_\_\_\_\_\_ c. A’a lava

 \_\_\_\_\_\_\_\_ d. Explosive eruption

 \_\_\_\_\_\_\_\_ e. Pahoehoe lava

1. List the 4 types of volcanoes

a.

b.

c.

d.

1. Which type of volcano…..

\_\_\_\_\_\_\_\_ a. is large and rare

\_\_\_\_\_\_\_\_ b. Alternating layers of ash and lava

\_\_\_\_\_\_\_\_ c. Broad but not steep

\_\_\_\_\_\_\_\_ d. grows rapidly

\_\_\_\_\_\_\_\_ e. has a crate at the summit

\_\_\_\_\_\_\_\_ f. Large, symmetrical, steep

\_\_\_\_\_\_\_\_ g. Entire magma chamber erupts at one time

\_\_\_\_\_\_\_\_ h. Also known as a stratovolcano

1. How is a geyser different from a hot spring?
2. Name two ways that new land is formed

a.

b.