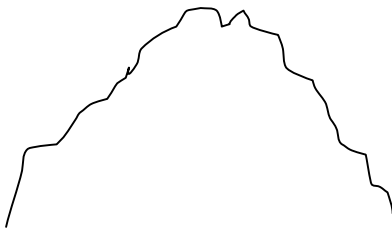


Volcano and Mountain Review Guide

You should look at your notes, worksheets, and powerpoints to help you along.

Looking at the slope (or steepness) of a volcano can tell you about what type of volcano and what type of material the volcano is made up of (only lava, or tephra and lava)

1. If the volcano is steep what is it made up of?
2. If the volcano is bowl shaped what is it made up of?
3. Identify each type of the volcanoes:



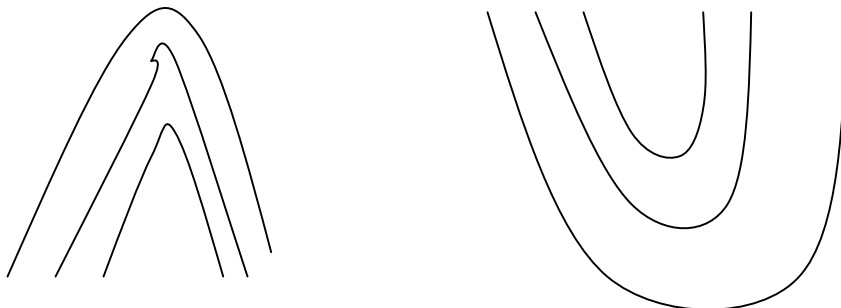
4. Complete the following table (a, b, and c): Put a STAR next to the most common type.

Types of Volcanoes				
	Volcano Type	Characteristics	Examples	Simplified Diagram
Increasing Violence Increasing Viscosity 	Flood or Plateau Basalt	Very liquid lava; flows very widespread; emitted from fractures	a	
	Shield Volcano	b	Larch Mountain, Mount Sylvania, Highland Butte, Hawaiian volcanoes	
	Composite or Stratovolcano	More viscous lavas, much explosive (pyroclastic) debris; large, emitted from a central vent	Mount Baker, Mount Rainier, Mount St. Helens, Mount Hood, Mount Shasta	
	Caldera	Very large composite volcano collapsed after an explosive period; frequently associated with plug domes	c	



5. What causes highly explosive eruptions? Include the type of lava in your answer.
6. What type of **eruption** is most **common** (hint: they happen often in Hawaii)? What type of volcano is results because of these types of eruptions?
7. List and describe 3 types of tephra
 - a.
 - b.
 - c.
8. List and describe 3 types of lava
 - a.
 - b.
 - c.
9. How are volcanoes different from mountains?
10. What type of fault causes Fault-Block Mountains, explain how it works.
11. What two processes are responsible for mountain building?
 - a.
 - b.

12.



Label the above pictures as an Anticline or Syncline, label the oldest and youngest rock layers in each diagram.

13. Look at your World Map, what regions do you see the most volcanic activity (hint: it surrounds a specific ocean). What other types of geologic features or activity do you see in areas where there are volcanoes?