

Review questions on July 1 for Quiz on July 2 on Magmatic processes

1. What are the two major types of tectonic activity? How are they alike? How are they different?
2. Explain the difference in plutonic and volcanic activity.
3. What is a flood basalt? Where, in terms of geographic places mentioned in class, might you find an example?
4. Where, in terms of geographic places mentioned in class, can you find a large shield volcano?
5. Describe the difference in pahoehoe and a'a lava flows.
6. Compare and contrast shield volcano, composite cone, and cinder cone in terms of slope, maximum size, lava characteristics (thickness and source), eruption type, crater size relative to overall size, and location in relation to plate boundaries.
7. In what mountain range is Mt. St. Helens? Why does it erupt?
8. What kind of volcanoes make up the Lesser Antilles?
9. Define volcanic caldera. Define volcanic neck.
10. What is the Pacific Ring of Fire, where is it, and why is it so tectonically active?
11. What type of volcanic eruption may affect global climate? Is that type of eruption occurring today?
12. Explain isostatic adjustment.
13. What is the difference in a batholith and a stock?
14. What is the difference in a sill and a dike?