

Mr. Davis -- Chapter 9 Study Guide

1. Know all of the Vocabulary!!!!
2. What affects the viscosity of magma?
3. Know the different types of magma and their characteristics (silica content, gas content, viscosity, etc.) Refer to chart.
 - a. Basaltic
 - b. Andesitic
 - c. Rhyolitic
4. Know the types and characteristics of the boundaries where volcanoes form:
 - a. Subduction
 - b. Divergent
 - c. Hot spots
 - d. What type of volcanoes form at each of these boundaries?
5. Know the types of lava flows
 - a. Land Flows
 - i. Pahoehoe
 - ii. Aa
 - b. Underwater Flows
 - i. Pillow Lava
6. **Answer this question: Iceland is one of the few places in the world where a mid-ocean ridge is**
7. How are Lava Plateaus formed?
8. Describe the composition of magma that erupts from Mt. Pinatubo in the Philippines?
9. Describe all three types of Pyroclastic materials.
 - a. Ash
 - b. Pahoehoe
 - c. Aa
10. Know the four types of volcanic landforms. Be able to describe them.
 - a. Shield Volcano
 - b. Cinder Cone
 - c. Composite Volcano
 - d. Caldera
11. Know the different types of Volcanic features on the Moon, Venus, Mars, and Io.
 - a. How do these features form at each location mentioned above.
12. Know all of the vocabulary.