Watch the video and use your text book to answer the following questions.

1. True or False: Earth is the only planet or planet-like body in the solar system that displays active volcanism.
   a. If False: what others are associated with volcanism?

2. True or False: Magma is more dense than solid rock and sinks.

3. List the three types of volcanic materials that are ejected/emitted from a volcano.

4. At what types of plate boundaries do volcanoes occur?

5. Explain how hot spots are related to volcanoes, draw a sketch.
   a. Give an example of hot spot volcanism?
   b. What composition of magma is your example associated with: rhyolitic, andesitic, or basaltic?

6. Define and sketch a shield volcano.

7. True or False: Fluid, runny, or “low viscosity” lavas tend to form low-angle shield volcanoes.

8. What types of plate boundaries are found around the “Ring of Fire”?

9. Define and sketch a strato or composite volcano.

10. What is the main type of volcanic rock found in association with shield volcanoes?

11. True or False: low-silica lavas are of lower temperature compared to high-silica lavas.

12. True or False: High viscosity lavas tend to be associated with explosive volcanic eruptions.

13. Define and sketch a cinder cone.

14. True or False: all volcanoes are the same size, shape, and chemical/mineral composition.

15. True or False: plate tectonic setting is the main control on the style, size, and type of volcano.