Video Questions for *America's Volcanoes: Sitting on a Powder Keg*

Name: _____ Period: _____ Date: _____

1. What type of volcano is Mt. St. Helens? How did it form?
2. What are the three primary predictors of an impending volcanic eruption?
3. What triggered the eruption of Mt. St. Helens on May 18, 1980?
4. What were the results of the Mt. St. Helens eruption?
5. Who was Harry Truman (not the former president)? What happened to him and 56 other people?
6. What are conditions that cause volcanoes to form?
7. What type of plate tectonics interaction results in the deadliest and most destructive form of volcanoes?
8. What is a pyroclastic flow?
9. How can GPS (Global Positioning Systems) be used to monitor ground deformation on a volcano?
10. What other modern tools do volcanologists use to predict volcanic eruptions?
11. Why are ash eruptions so deadly? How can they affect people on the ground and jet airplanes flying in the sky?
12. How can ash eruptions affect Earth's climate? How can climate change lead to mass extinction of species?
13. What is a lahar?
14. Why are Seattle, Washington and the Puget Sound at great risk?
15. What is the most active volcano in the world? How did it form?
16. What are the threats from Hawaiian volcanoes? How are they different from the threats posed by Mt. St. Helens type volcanoes?
17. Why is Kilauea so different from Mt. St. Helens? Hint: Think basaltic vs. andesitic/rhyolitic magma.
18. What is tephra? How does monitoring its extent help scientists to gauge eruption volume?