

Volcanic Eruptions Reading Assignment Questions

(from CK-12 Earth Science High School)

1. What are two basic types of volcanic eruptions?
2. Several hundred years ago, a volcano erupted near the city of Pompeii, Italy. Archaeologists have found the remains of people embracing each other, suffocated by ash and rock that covered everything. What type of eruption must this have been?
3. What is pyroclastic material?
4. Name three substances that have low viscosity and three that have high viscosity.
5. Why might the addition of water make an eruption more explosive?
6. What are three names for non-explosive lava?
7. What factors are considered in predicting volcanic eruptions?
8. Why is predicting a volcanic eruption so important?
9. Given that astronomers are far away from the planets they study, what evidence might they look for to determine the composition of a planet on which a volcano is found?