

Volcano Study Questions

Section 7.1

1. What is magma and how does it form?
2. Explain how subduction causes volcanoes.
3. Explain how mid-ocean ridges cause volcanoes/
4. Explain how hot spots cause volcanoes.
5. Give an example for each of the three ways volcanoes can be formed.

Section 7.2

1. Describe the two types of lava.
2. Describe the two types of eruptions that occur from the types of lava.
3. What are pahoehoe and aa?
4. What is tephra?
5. List the three types of tephra and tell their sizes.
6. What is the difference between volcanic bombs and volcanic blocks?
7. List, draw, and describe the three types of volcanic cones. What type of eruption comes from each?
8. What are craters and calderas?
9. How do scientists predict volcanoes?

Section 7.3

1. How do we know that there could have been volcanoes on the moon?
2. What is the large volcano on Mars called?
3. What is Io? Why is it significant to our study of volcanoes?

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