

Volcanoes ▪ *Review and Reinforce*

Properties of Magma

Understanding Main Ideas

Classify each of the following properties by writing Physical or Chemical in the blank beside it.

- | | |
|--------------------------|--|
| _____ 1. Density | _____ 4. Ability to react
with other substances |
| _____ 2. Boiling Point | _____ 5. Hardness |
| _____ 3. Ability to burn | _____ 6. Magnetic quality |

Answer the following questions.

7. Why is it helpful to know the physical and chemical properties of a substance? _____

8. Explain why molasses has a higher viscosity than water. _____

9. What is the difference in silica content and viscosity between light-colored and dark-colored magma? _____

10. How does temperature affect viscosity of magma?

Building Vocabulary

Fill in the blank to complete each statement.

11. A substance made of two or more elements that have been chemically combined is called a(n) _____.
12. A(n) _____ is a substance that cannot be broken down into other substances.
13. Fast-moving, hot lava that has low viscosity is called _____.
14. Lava that is cooler and slower-moving is called _____.