

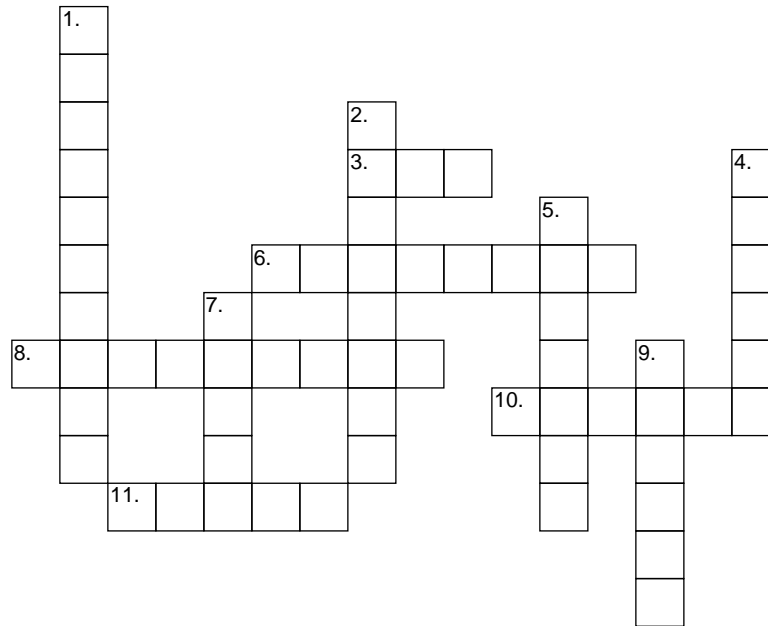
## Chapter 10

## STUDY GUIDE

Text Pages 276–286

# ● Eruptions and Forms of Volcanoes

Solve the crossword puzzle by using the definitions provided as clues.

**Across**

3. Smallest-sized tephra
6. Type of magma containing a lot of silica and water vapor
8. Volcano made of alternating layers of lava and tephra
10. Volcanic material thrown out during eruptions
11. Substances that affect the explosiveness of volcanic eruptions

**Down**

1. Steep-sided volcano made of tephra (2 words)
2. Type of magma containing little silica
4. Mineral that affects the thickness of magma
5. Medium-sized tephra
7. Larger-sized tephra
9. Broad volcano made of flat layers of basaltic lava

Answer the question in the space provided.

12. Two important factors determine whether an eruption will be explosive or quiet. What are they?

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Chapter 10

REINFORCEMENT

# ● Eruptions and Forms of Volcanoes

Identify each form of volcano and then fill in the chart with the appropriate information about each form.

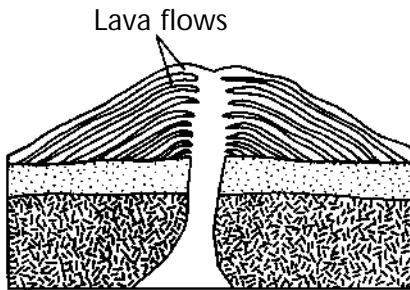


FIGURE 1

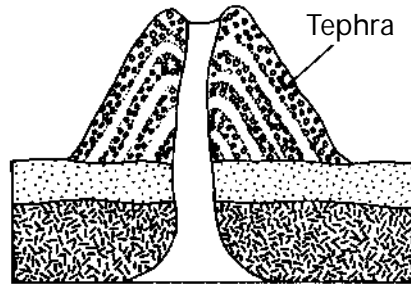


FIGURE 2

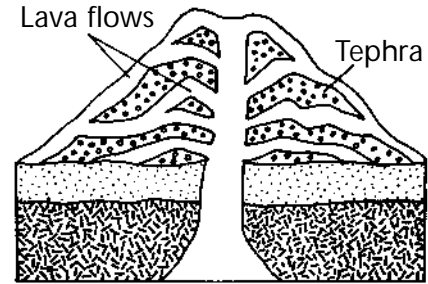


FIGURE 3

Form of volcano	Type of magma	Shape of volcano	Materials in volcano
1.			
2.			
3.			

Answer the following questions on the lines provided.

4. What is the relationship between the amount of gases in magma and the explosiveness of a volcanic eruption? \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

5. What is the relationship between the silica content of magma and the explosiveness of a volcanic eruption? \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
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