Name _____

The Fiery Fury: How Volcanic Eruptions Occur

Multiple Choice Questions

1. What is the primary factor contributing to the pressure within a volcano's magma chamber?

a. Temperature of the magma

b. Number of volcanic eruptions

c. Size of the volcano's vent

d. Depth of the volcano's crater

2. What happens when the pressure within a volcano's magma chamber exceeds the strength of the overlying rock?

a. The magma cools and solidifies.

b. The magma starts sinking deeper into the Earth.

c. The overlying rock becomes stronger.

d. The magma begins to rise towards the surface.

3. What drives the ascent of magma towards the surface during an eruption?

a. The magma's density

b. The color of the magma

c. The size of the volcano's crater

d. The presence of water in the magma

4. Which type of volcanic eruption involves highly viscous, sticky magma and often results in explosive eruptions?

a. Effusive eruptions

b. Quiet eruptions

c. Harmonic eruptions

d. Explosive eruptions

5. Why is monitoring volcanic activity and early warning systems crucial for communities near active volcanoes?

a. To study the rocks around the volcano

b. To predict the weather in the area

c. To provide timely alerts and ensure safety

d. To test the quality of the soil near the volcano