

Name _____

The Fiery Fury: How Volcanic Eruptions Occur

Short Answer Key

1. The pressure within a volcano's magma chamber builds up over time as more magma and gases accumulate, increasing the pressure on the chamber walls.
2. Gas expansion occurs as the pressure decreases with decreasing depth, allowing dissolved gases in the magma to form bubbles and push the magma towards the surface.
3. The type of eruption is determined by factors such as magma viscosity, gas content, and the presence of obstacles in the volcano's vent.
4. Methods and tools used to monitor volcanic activity include seismometers, gas analyzers, ground deformation measurements, and satellite imagery.
5. Early warning systems are essential to provide alerts and ensure the safety of communities by allowing for evacuation and preparedness measures.

