

Study Guide

Volcanoes and Other Igneous Activity

Vocabulary: Know the following terms.

Ring of Fire

Intraplate volcanism

Hot spot

Viscosity

Vent

Pyroclastic material

Volcano

Crater

Shield volcano

Cinder cone volcano

Composite volcano

Caldera

Volcanic neck

Lava plateau

Pluton

Sill

Laccolith

Dike

Stock

Batholith

Objectives

- Describe the origin of magma
- Explain between plate tectonics and volcanism, including intraplate volcanism
- Explain what is so special about Iceland with regards to tectonic plate and volcanism
- Explain the factors that determine the type of volcanic eruptions that occur
- Describe the various types of volcanic materials that are ejected from volcanoes
- List the three main types of volcanoes
- Distinguish how the different types of volcanic landforms form
- Describe the major intrusive igneous features such as dikes, sills, laccoliths, stocks and how they form
- Describe batholiths and how they form