

Unit 3 Handout 105

Lesson 12: Volcano Types

Purpose: Classify images of volcanoes on the basis of observable properties, including shape and size and relate the viscosity of lava to the type of volcano formed.

Guiding Questions: - How are volcanoes classified?
- How is the viscosity of lava related to the type of volcano formed?

Part One Instructions. Read pages 166-168. Then, complete the graphic organizer below using the information from the text. Under the type of volcano, list the names and numbers of the volcano cards that are of this type. For characteristics, write a description of the volcano. For how it forms, simply write a short statement of how the volcano forms. The third volcano is found on the back of this sheet.

Type of Volcano	Cross-section Drawing	Characteristics and How it Forms
Shield Examples from Volcano Cards:		Characteristics: How it Forms:
Composite (aka Stratovolcano) Examples from Volcano Cards:		Characteristics: How it Forms:

Type of Volcano	Cross-section Drawing	Characteristics and How it Forms
<p>Cinder Cone</p> <p>Examples from Volcano Cards:</p>		<p>Characteristics:</p> <p>How it Forms:</p>

Part Two Instructions. Read the text on page 169. Then, in the space below, write your prediction of the next eruption of the Nyiragongo volcano. Justify your answer. Finally, write a short analysis of what other information you would need to collect that would further support your answer.
