

Unit 11 Section 1 Study Guide

Directions: Answer the following questions.

Reviewing Objectives Part 1:

1. Identify the main sources of energy to the climate system.
2. Describe natural mechanisms that could result in significant changes in climate (e.g., major volcanic eruptions, changes in sunlight received by the Earth, meteorite impacts). Pages: 224-25, 339, 643-44
3. Explain the causes of short-term climate changes such as catastrophic volcanic eruptions and impact of solar system objects. Pages: 223, 339, 643-44

Reviewing Major Concepts Part 2: *Chapter 25 section 3*

1. Identify four factors that may cause climate change.
2. Describe how orbital changes may affect climate.
3. Explain how changes in CO₂ concentrations affect global temperatures.
4. Explain one potential negative impact of global warming.
5. Identify two ways that countries can work together to reduce the potential effects of global warming.
6. Identify four ways that an individual can reduce the potential effects of global warming.

CRITICAL THINKING

7. Making Predictions How would the melting of small icebergs affect sea level? Explain your answer.
8. Evaluating Models Can short-term climate changes be explained by using the cycles described by the Milankovitch theory? Explain your answer.