NAME DATE CLASS

Chapter 16

STUDY GUIDE

Text Pages 462–469

Climatic Changes

In the blank, write the letter of the term or phrase that best completes each statement.

_____ **1.** The farther from the equator, the _____ the hours of daylight vary during the year.
a. more **b.** less

_____ **2.** El Niño affects the world's weather _____ .
a. during the summer months **b.** for a period of time longer than three months

_____ **3.** Catastrophic events that have affected Earth's climate in the past include _____ .
a. volcanic eruptions **b.** glaciation

_____ **4.** Ice sheets formed when the temperature of Earth was higher have _____ concentrations of carbon dioxide.
a. smaller **b.** greater

_____ **5.** _____ causes the seasons.
a. a change in Earth's orbit **b.** the tilt of Earth's axis

Answer the following questions on the lines provided.

6. What are some of the major kinds of evidence that Earth's climate differed in the past?

7. How do meteorite impacts affect Earth's climate?

8. Why might the movement of the plates in Earth's crust affect the climate?

9. How did the eruption of Mount Pinatubo in 1991 affect Earth's climate?

10. What effects would an increase in clouds have on Earth's climate?

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