Q.O.D. 8-26 to 8-30

#1

**Scientists think that the rise in global temperature during the last one hundred years is due to an increase of carbon dioxide in the atmosphere. Which question would BEST help scientists assess the claim that humans are responsible for the rising global temperature?**

A. What is the source of the increase of carbon dioxide in the atmosphere?

B. What is the source of most of the carbon dioxide in the atmosphere?

C. What is the mechanism by which carbon dioxide heats Earth?

D. What is the increase in the concentration of carbon dioxide in the atmosphere?

#2

Explain why the temperature decreases as it travels through the atmosphere, away from Earth.

#3

Explain how human activities may lead to concentration of CO2 in the atmosphere.

#4

Explain how radiation from the Sun introduces heat into Earth’s atmosphere, water, land, and ice.

#5

Hypothesize why absorbing or releasing thermal energy produces a more rapid change in temperature on land compared to in water.