

Name \_\_\_\_\_ Date \_\_\_\_\_

**Instructions:** Read each question carefully and choose the best answer.

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| <p>1. What is considered evidence that Earth's surface is warming?</p> <ul style="list-style-type: none"> <li>Ⓐ Temperature increases of Earth's surface are on record.</li> <li>Ⓑ Glaciers are smaller today compared to one hundred years ago.</li> <li>Ⓒ Ice around both the North and South Poles is melting.</li> <li>Ⓓ All of the above</li> </ul> <p>2. What are <b>greenhouse gases</b>?</p> <ul style="list-style-type: none"> <li>Ⓐ the process by which heat is trapped inside Earth's atmosphere by gases</li> <li>Ⓑ the dirt or debris in the air, in water, or on the ground that causes something to become unclean</li> <li>Ⓒ the gases that cool Earth's surface temperature</li> <li>Ⓓ the gases in Earth's atmosphere that trap heat and contribute to global warming</li> </ul> | <p>3. What has caused the average sea level around the world to rise?</p> <ul style="list-style-type: none"> <li>Ⓐ The amount of annual rainfall is increasing.</li> <li>Ⓑ Land is sinking into the oceans.</li> <li>Ⓒ Ice on land is melting and flowing into the ocean.</li> <li>Ⓓ All of the above</li> </ul> <p>4. Why would a country support the Kyoto Protocol?</p> <ul style="list-style-type: none"> <li>Ⓐ The country believes there is no threat from the greenhouse effect.</li> <li>Ⓑ The country wants other countries to know that it wants to stop industrialization.</li> <li>Ⓒ The country believes that climate changes likely will be harmful to Earth and its people.</li> <li>Ⓓ All of the above</li> </ul> |
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*Quick Check continued on following page*

Name \_\_\_\_\_ Date \_\_\_\_\_

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| <p>5. Which of the following best states the main idea of the section titled "What Is Being Done About Climate Change?"</p> <ul style="list-style-type: none"> <li>Ⓐ Hydropower is replacing the burning of fossil fuels.</li> <li>Ⓑ Many countries are trying different solutions to prevent climate change.</li> <li>Ⓒ Industrialized countries are reducing the number of power plants they are building.</li> <li>Ⓓ The Kyoto Protocol was signed by many countries.</li> </ul> <p>6. What could be a negative effect of global warming?</p> <ul style="list-style-type: none"> <li>Ⓐ More tornadoes could occur.</li> <li>Ⓑ Diseases could spread more quickly.</li> <li>Ⓒ More food shortages could occur.</li> <li>Ⓓ All of the above</li> </ul> | <p>7. In addition to the increase in Earth's temperature, what other significant global event has happened during the past 150 years?</p> <ul style="list-style-type: none"> <li>Ⓐ The Arctic ice sheet has increased in thickness.</li> <li>Ⓑ The amount of carbon dioxide in the air has increased.</li> <li>Ⓒ Many types of animals are having an easier time finding food.</li> <li>Ⓓ More trees are growing around the equator.</li> </ul> <p>8. How does planting trees reduce the greenhouse effect?</p> <ul style="list-style-type: none"> <li>Ⓐ Trees remove carbon dioxide from the atmosphere.</li> <li>Ⓑ Trees reflect sunlight back into space.</li> <li>Ⓒ Tree roots trap moisture in the soil.</li> <li>Ⓓ All of the above</li> </ul> |
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*Quick Check continued on following page*

Name \_\_\_\_\_ Date \_\_\_\_\_

9. What makes renewable energy different from nonrenewable energy?
  - Ⓐ Renewable energy is not depleted by use.
  - Ⓑ Renewable energy uses fossil fuels.
  - Ⓒ Renewable energy gives off greenhouse gases.
  - Ⓓ All of the above
10. What could happen to cities along coasts, such as Boston and New York City, if sea levels rise too high?
  - Ⓐ The cities would not be affected.
  - Ⓑ The cities could be flooded and destroyed.
  - Ⓒ The cities could gain new beaches and wildlife.
  - Ⓓ None of the above
11. **Extended Response:** What are two things you can do to help prevent more global warming?
12. **Extended Response:** Explain how the greenhouse effect increases global warming.

## Quick Check Answer Sheet

## What Do You Think About Climate Change?

Main Comprehension Skill: Cause and Effect

1. Ⓓ Main Idea and Details
2. Ⓓ Vocabulary
3. Ⓒ Cause and Effect
4. Ⓒ Make Inferences
5. Ⓑ Main Idea and Details
6. Ⓓ Cause and Effect
7. Ⓑ Main Idea and Details
8. Ⓐ Cause and Effect
9. Ⓐ Compare and Contrast
10. Ⓑ Cause and Effect
11. Answers will vary. Example: *I can try to use less electricity and ride my bike instead of having my dad take me to school.*
12. Answers should explain the following process: *Sunlight that strikes Earth gives off heat that normally flows out into space; greenhouse gases in the atmosphere bounce some of the heat back toward Earth's surface; the greenhouse gases trap the heat near Earth's surface, causing temperatures to rise.*