***Global Warming*** by Shelly Buchanan

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Reading Discussion Questions

1. Explain how the Earth’s atmosphere acts like a greenhouse.

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1. List 3 ways carbon or carbon dioxide is released into the atmosphere?

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How is it removed from the atmosphere? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Describe the climate of Ohio.

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Describe the weather (where you are) today?

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1. What is the difference between *climate* and *weather*?

Climate is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Weather is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. What can you do in your community to conserve energy and reduce your carbon footprint?

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9. Explain to someone how global warming may cause food shortages.

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1. Rising sea levels are a threat to our coastlines. Look at a map of the United States.

List four cities that will lose land area due to rising sea levels. Include one city from Ohio.

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1. What is the connection between shrinking Antarctic sea ice, penguins and phytoplankton?

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1. Warmer temperatures cause warmer water. That means there is more evaporation. How is

this connected to hurricanes and lightning strikes? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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5. What are some causes of global warming?

1. Since the Industrial Revolution began 150 years ago and the increase in burning fossil fuels, the amount of carbon dioxide in the atmosphere has increased \_\_\_\_\_\_\_\_\_\_%.
2. Trees remove carbon dioxide from the atmosphere. What are 2 other problems with deforestation? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. More farms mean less forests. What other greenhouse gases do farms contribute?

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