Name: _____

Global Warming by Shelly Buchanan

Reading Discussion Questions

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

   Climate is _____

   _____

   Weather is _____

   _____

2. Describe the climate of Ohio.

   _____

   _____

   Describe the weather (where you are) today?

   _____

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

   - _____
   - _____
   - _____

   How is it removed from the atmosphere? _____

4. Explain how the Earth's atmosphere acts like a greenhouse.

   _____

   _____

   _____

   _____

5. What are some causes of global warming?

a. 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 _____%.

b. Trees remove carbon dioxide from the atmosphere. What are 2 other problems with deforestation? _____   _____

c. More farms mean less forests. What other greenhouse gases do farms contribute?

_____   _____

6. Warmer temperatures cause warmer water. That means there is more evaporation. How is this connected to hurricanes and lightning strikes? _____

_____

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

_____

_____

_____

8. 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.

_____   _____

_____   _____

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

_____

_____

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

_____

_____