

**“Earth at the Tipping Point” *Time* April 3<sup>rd</sup>, 2006**

1. What are recent global events that would seem to indicate global warming?
2. What is carbon dioxide's role in the global warming?
3. How many parts per million of CO<sub>2</sub> were in the atmosphere at the last ice age? Before the modern era? Now?
4. Of the 20 hottest years on record how many of them are before 1980?
5. When the amount of CO<sub>2</sub> rises, what happens?
6. If all the ice in Greenland melted how much is it estimated that the sea levels would rise?  
If all the ice in the Antarctic melted how much is it estimated that the sea levels would rise?
7. Aside from the rising sea levels, why is it important to have polar ice instead of water?

8. What are the problems if the permafrost is melted?
9. What are the results of a warmer ocean?
10. How does global warming cause droughts? What has happened to the percentage of Earth's droughts since the 1970's?
11. What are the problems forests face as a result of global warming?
12. Explain the Greenhouse effect?
13. What is the Kyoto treaty? How many countries have signed it? What is the United States position?
14. What is happening in the U.S. politically in response to global warming?