



NAME \_\_\_\_\_

DATE \_\_\_\_\_ CLASS PERIOD \_\_\_\_\_

## CLIMATE QUESTIONS

1. Study the upper edge of the earth on the cover of "Our Changing Climate." Compared to the size of the earth, what is the relative thickness of the atmosphere in this photograph?
2. What do you think are the main points being made by the information and the collage on pages 2 and 3?
3. How did the climate changes between 30,000 and 15,000 years ago lead to the arrival of the first Americans?
4. What are the two theories about why the mastodons, saber-toothed cats, woolly rhinoceroses and giant ground sloths became extinct about 10,000 years ago?
5. What is the basic difference between weather and climate?



11. What has happened to the following since 1750:

a. carbon dioxide levels (see graph on page 13)

b. human population (worldwide)

c. burning of fossil fuels (coal, oil, gasoline, etc.)

d. global air temperatures (see graph on page 20)

12. Do you think there is a link between all the factors in question number 11?

13. Can we predict what will happen to our climate in the future?

14. How do scientists use computers to see the possible effects of global warming?

15. List some things that you think will happen if the earth's climate continues to warm?