

# *An Inconvenient Truth*

Name \_\_\_\_\_

Period \_\_\_\_\_

*Based on the video; please answer the questions below in thoughtful and complete sentences.*

1. What image started the modern day environmental movement?
2. What is considered the most vulnerable part of the earth system?
3. Relatively speaking, compared to the earth, how thick is the atmosphere?
4. How can trapping infrared radiation by the earth's atmosphere be a **GOOD** thing?
5. How can trapping infrared radiation by the earth's atmosphere be a **BAD** thing?
6. Sketch the general trend of the "CO2 Level" versus time graph below:
  
7. What percentage of people depend on glacial melt for their drinking water?
8. Why is studying ice cores important?
9. What is the relationship between carbon dioxide (CO2) and atmospheric temperature?
10. Over what time period have the hottest 10 years on earth occurred?
11. As the water temperature under a hurricane increases, what happens to the wind velocity of the storm?
12. What has happened to Lake Chad over the years?
13. How much of the sun's radiation gets reflected by ice?
14. What redistributes energy from the equator to the north and south poles?
15. If the ice sheets of Western Antarctica were to melt, approximately how much would sea level rise?
16. List the three factors causing the collision between civilization and earth.
  - 1.
  - 2.
  - 3.
17. Approximately, what percentages of global carbon dioxide emissions come from forest fires?
18. What country is the largest contributor of greenhouse gases into the atmosphere?
19. Which country has the lowest government standards for gas mileage of automobiles?
20. Which two nations have not signed onto the Kyoto Protocol?