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 **GLOBAL WARMING WITH TOM BROKAW**

To view this video log on to YouTube and search “Global Warming with Tom Brokaw”. Watch the video and complete the questions below.

1. What is some of the evidence for global warming?

2. What are some of the causes of global warming?

3. What are some places that scientists have been studying? What is happening at these places? How quickly can they vanish?

4. Why do scientists save long tubes of ice?

5. Can a single degree of temperature rise make a difference on our earth? Explain.

6. About how many degrees difference was there in global warming between the ice age and how our earth is today?

(Note of interest: 160,000 years ago, New York would have been on an ice pack. 20,000 years later, it would have been under water. This is a normal earth climate cycle change. About every 10,000 years it starts getting much colder and we enter an ice age.)

7. Scientists are looking for what gas in ice samples? What are they finding now?

8. Should we try and get rid of all the CO² in our atmosphere? Why or why not?

9. List at least 3 of the greenhouse gases.

10. Why is the Amazon rainforest important to us?

11. What are some problems today in the rainforest?

12. Carbon gets trapped in \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ which we mine for fuel.

13. Where do coal, natural gas, and oil come from?

14. What happens when we burn these fuels?

15. Scientists believe we may not have any \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ by 2060.

16. How much of earth is covered by ice now? Circle one. 10%, 2%, 1% , 43%.

17. If enough ice melts, what will happen? What if temperature raises 4º?

18. What can global warming do to the sea water itself? Explain. What is this called?

19. What is El Nino and what are some of its effects?

20. What did the video say about hurricanes in the year 2005?

21. What causes hurricanes to be more severe?

22. It may not be the number of hurricanes that increases but the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the hurricanes.

23. What would happen if the climates around the world shifted?

24. What are scientists using to help them predict what our future will be like?

25. What natural disaster adds CO² to the atmosphere?

26. Is it just the increase in CO² emissions that will change our climate? Explain.

27. What is the biggest fear with big climate changes?

28. Natural warming and cooling do take place on our earth in cycles, but what is different about it now?

29. What would happen to polar bears if this global warming continues at this rate? Why?

30. What would happen to the Great Barrier Reef? Why?

31. What would survive if the temperatures became much warmer throughout the world?

32. Can we stop global warming?

33. What can we do about global warming?

34. Who uses the most fossil fuels in the world?

35. What is the Kyoto Agreement?

36. Describe carbon crediting.

37. List at least 5 things that ***you*** can do to help reduce global warming.