

Name: _____

Date: _____

Class Period: _____

Six Degrees Could Change the World

Guided Viewing

1. In _____ decades all the glaciers on the _____, the source of water for millions, could be gone.
2. By the end of this century the Amazon rainforest, home to half the world's _____, could wither to a dry savannah.
3. A temperature rise between 1 and _____ degrees F is possible over the next century.
4. In the winter of 2001, more than _____ fires encircled Sydney.
5. Bushfires are already bad. Climate scientists predict that in the next _____ decades they'll get worse.
6. A small percentage is the greenhouse gases, a cocktail of water vapor, carbon dioxide, _____ and nitrous oxide.
7. Today, _____ carbon dioxide out of every million molecules is found in the atmosphere.
8. With one degree F of warming, the Arctic will be _____ half of each year.
9. Six thousand years ago, much of the American southwest was a vast _____.
10. In the last _____ years it has never been more than 1 degree C warmer than it is now.
11. Nearly _____ percent of the world's energy starts as a fossil fuel.
12. The carbon _____ means all the energy that was consumed each step of the way from each of the cheeseburger's component parts.
13. Two hundred million metric tons of _____ are released each year for all the cheeseburgers eaten in the United States.
14. If there is a _____ degree F warming, we will lose the vast majority of the world's tropical coral reefs.
15. The oceans are the world's largest carbon _____ - nature's primary mechanism for absorbing carbon dioxide out of the atmosphere.
16. Too much carbon dioxide in the ocean can turn it _____.
17. Acidification of ocean water dissolves the _____ and skeletons of forams and coccoliths.
18. It took nature _____ years to make the Greenland ice sheet.
19. The Greenland ice sheet contains enough water to raise global sea level by as much as _____ meters. This is enough to flood _____ City,
20. In the summer of _____ there were severe heat waves in Europe.
21. Between 2500 and _____ people died in Paris the night of August 10th.
22. The death toll across Europe topped _____.
23. Twenty percent of the world's oxygen is produced by the _____.
24. Trees help generate _____ percent of the water for rainfall in the Amazon.
25. One hundred year _____ will become common if global temperatures warm 3 degrees F.
26. Hurricane Katrina's winds reached _____ mph.

27. If global temperatures rise 4 degrees F, the _____ River in India will dry up and become a dirty creek.
28. There will be no more glaciers in the Himalayas by the year _____.
29. With a _____ degree F temperature rise there will be vast social upheaval and fighting for resources.
30. With a _____ degree F temperature rise the oceans will die, deserts spread and cities will be flooded and abandoned.
31. We currently have experienced a _____ degree F temperature rise.
32. We could avoid a large increase in temperature if greenhouse emissions peaked by the year _____.
33. The solution starts with increased _____.
34. Cars produce almost _____ percent of greenhouse emissions.
35. To keep warming below the critical 2 degree F threshold, we need to cut 7 _____ tons of greenhouse emissions each year.
36. Doubling the average fuel efficiency of all cars from _____ mpg to _____ mpg would save 1 billion tons.
37. One wind turbine can power about _____ home.
38. It would take more than 2 _____ wind turbines to replace coal power plants worldwide.
39. What two things do all climate scientists agree on?