

## The Day After Tomorrow -KEY

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. Where does the movie begin?  
**Larsen B Ice Shelf, Antarctica**
2. What are the men doing at the beginning of the movie?  
**They are drilling ice cores out of the glacier.**
3. What is the depth of the drill when the shelf begins to crack?  
**26'**
4. Why does Jack attempt to go back across the crack?  
**To retrieve the core samples.**
5. How is Jack saved from falling into the crack in the ice?  
**He grabs hold with his ice pick.**
6. What are the scientists measuring in the core samples of ice?  
**CO2 and other greenhouse gas levels**
7. How does Jack explain the occurrence of an ice age from Global Warming?  
**Global Warming will cause the polar ice cap to melt, causing the oceanic currents to shift. The shift in the currents could cause dramatic climate changes, including the onset of another ice age.**
8. Why don't the leaders of the conference where Jack presents his data want to make any dramatic changes to reduce emissions?  
**It's too expensive.**
9. How are the temperatures of the ocean currents being monitored?  
**By a series of Bouys which send their data to the Headland Climate Research Center, Scotland**
10. Why are the technicians not concerned with the 13° drop from the first buoy?  
**Reports of stormy seas caused them to think it was inaccurate.**
11. What type of unusual weather occurs in Tokyo?  
**Giant hail storm**

12. What organization does Jack work for?  
**NOAA –National Oceanic and Atmospheric Administration**
13. Why did Sam fail his Physics final?  
**He didn't write out his work for his answers.**
14. What do the astronauts from the window of the ISS?  
**A giant hurricane-like storm system is developing.**
15. What do Sam and Laura observe in the sky when they arrive in NYC?  
**They see thousands of birds in the sky.**
16. What has the professor from Scotland observed that he believes is extraordinary?  
**He's recorded significant drops in ocean current temperatures.**
17. How long ago was the last great climate shift?  
**Over 10,000 years ago**
18. What type of unusual weather occurred in California?  
**Giant tornadoes strike in Los Angeles.**
19. What do the experts use to predict possible weather forecasts?  
**Computer models and climatologists**
20. How does Jack explain the extreme weather events that occur?  
**Shifts in the North Atlantic Current**
21. What profession is Jack's wife in?  
**She is a pediatric oncologist.**
22. What do the results of the first computer model show?  
**Major climate changes would occur in 6-8 weeks.**
23. Why can't Sam fly home from NYC?  
**The FAA grounded all flights.**
24. What does Jack want the Vice President to do after he give him the computer model results?  
**Global evacuation**

25. What do the students at the museum note about the mammoth found in Siberia?  
**It was found frozen in its tracks with food still in its mouth.**
26. What causes the helicopters to crash?  
**The fuel lines froze.**
27. How cold were the temperatures where the helicopters crashed?  
**-150° F (not sure of the scale)**
28. Why is the hurricane over Scotland unique?  
**Hurricanes don't form over land.**
29. How high did the sea rise in Nova Scotia?  
**It rose over 26' within a few hours.**
30. What natural disaster is happening in NYC and Long Island?  
**Flooding**
31. Where did Sam and his friends seek shelter?  
**At the Public Library.**
32. What keeps Laura behind in the street?  
**She stopped to help a foreign family.**
33. Why doesn't the cold air inside the "super cell" warm before it hits Earth's surface?  
**It's moving too fast.**
34. How does the new "super cell" model change the time frame of the expected climate shift?  
**Now the change will happen in 2-3 days instead of 6-8 weeks.**
35. How does Sam contact his parents from NYC?  
**He used an old pay phone.**
36. What does Jack tell Sam to do to survive the storm?  
**Stay inside and stay warm.**
37. How does Sam recover from the freezing water?  
**He uses Laura's body heat.**

38. What must Jack do before he leaves to get Sam?  
**He must report his findings to the Vice President.**
39. What do Sam and his friends observe moving through the street?  
**A ship**
40. What does Jack suggest to the Vice President?  
**Evacuate everyone from Virginia south.**
41. Why not evacuate the people north of Virginia?  
**It's too late. Too many lives would be lost in the evacuation.**
42. What does the officer in the library tell the people they must do?  
**Start walking south (evacuating).**
43. Who tries to stop them from going?  
**Sam**
44. How do Sam and his friends stay warm during the storm?  
**They burn library books.**
45. What causes Laura to become ill?  
**She has an infected cut and has developed septicemia.**
46. How do Jack and his friends navigate through the storm to find Sam?  
**They use GPS receivers.**
47. Why do Sam and his friends venture out to the ship?  
**They need to get penicillin for Laura.**
48. According to Jack, will people be able to survive another ice age?  
**He says we are capable, we've done it before, but we need to learn from our mistakes.**
49. What is ironic about where Americans find refuge?  
**Historically, it has been Mexicans finding refuge in America, now Americans are escaping to Mexico.**
50. What is the final comment from the astronaut in the ISS after the storm?  
**"Have you ever seen the atmosphere so clear?"**