

The Day After Tomorrow Movie

Name: _____ Period: _____ Date: _____

Essential Question: How are we affected by the pollution that we continuously create?

Instruction: Write the letter of your answer on the space before each number.

____ **1. Where does the movie begin?**

- A. Larsen B Ice Shelf, Antarctica
- B. Larsen B Ice Shelf, Arctic

____ **2. What are the men doing at the beginning of the movie?**

- A. They are collecting fossilized samples of trees' annual rings
- B. They are drilling ice cores out of the glacier.

____ **3. Why does Jack attempt to go back across the crack?**

- A. To retrieve the core samples.
- B. To get back home.

____ **4. What are the scientists measuring in the core samples of ice?**

- A. CO₂ and other greenhouse gas levels.
- B. The severity of global warming in the South Pole.

____ **5. How does Jack explain the occurrence of an ice age from Global Warming?**

- A. 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.
- B. Global Warming will cause the stronger ocean currents, causing polar ice caps to melt. The shift in the currents could cause dramatic climate changes, including the onset of another ice age.

____ **6. Why don't the leaders of the conference where Jack presents his data want to make any dramatic changes to reduce emissions?**

- A. It's too expensive.
- B. It's too early to react

____ **7. How are the temperatures of the ocean currents being monitored?**

- A. By numerous household thermometers in various residential homes.
- B. By a series of Buoys which send their data to the Headland Climate Research Center, Scotland

____ **8. Why are the technicians not concerned with the 13° drop from the first buoy?**

- A. Because of the reports of stormy seas caused them to think it was inaccurate.
- B. Because they are not certain if global warming is really happening.

____ **9. What type of unusual weather occurs in Tokyo?**

- A. Giant hail storm
- B. Godzilla arrived

____ **10. What organization does Jack work for?**

- A. NOAA –National Oceanic and Atmospheric Admiration
- B. NOAA –National Oceanic and Atmospheric Administration

____ **11. What do the astronauts from the window of the ISS?**

- A. A giant hurricane-like storm system is spinning counterclockwise
- B. A giant hurricane-like storm system is spinning clockwise

____ **12. Why do they collect and study ice cores?**

- A. ice cores from the cold interior regions of tundra polar ice sheets provide exceptionally well-preserved and detailed climate records. This is because the lack of melt at these locations does not corrupt the record of trapped gases or blur the record of other impurities. The oldest continuous ice core records extend to 130,000 years in Greenland, and 800,000 years in Antarctica.
- B. ice cores from the cold interior regions of taiga polar ice sheets provide exceptionally well-preserved and detailed climate records. This is because the lack of melt at these locations does not

corrupt the record of trapped gases or blur the record of other impurities. The oldest continuous ice core records extend to 130,000 years in Greenland, and 800,000 years in Antarctica.

- ___ **13. What has the professor from Scotland observed that he believes is extraordinary?**
A. He observed significant increases in ocean current temperatures.
B. He observed significant drops in ocean current temperatures.
- ___ **14. What do the experts use to predict possible weather forecasts?**
A. Computer models
B. Astrology or fortune telling.
- ___ **15. How does Jack explain the extreme weather events that occur?**
A. Shifts in the North Atlantic Current
B. Shifts in the North Pacific Current
- ___ **16. What do the students at the museum note about the mammoth found in Siberia.**
A. It was found frozen in its tracks with food still in its mouth.
B. It was found to be still alive.
- ___ **17. Why is the hurricane over Scotland unique?**
A. Hurricanes don't form over land.
B. Hurricanes form over land.
- ___ **18. According to Jack, will people be able to survive another ice age?**
A. He says we are capable, we've done it before, but we need to learn from our mistakes.
B. He says we cannot survive, we've never learned from our mistakes.
- ___ **19. What is the final comment from the astronaut in the ISS after the storm?**
A. "Have you ever seen the atmosphere so clear?" B. "I wonder how my family are doing?"
- ___ **20. What is the major difference between weather and climate?**
A. air temperature C. air pressure
B. humidity D. time
- ___ **21. Which of the following is an example of climate?**
A. the current temperature in Pinehurst, NC C. the relative humidity in Raleigh, NC
B. the average current temperature in a region D. the average temperature in Raleigh, NC over the past 30 years
- ___ **22. On an August afternoon in North Carolina, the barometric pressure is 29.92 inches and falling. What weather condition is likely to happen?**
A. clearing skies and cooler temperatures C. continued fair weather
B. an imminent storm D. conditions will slowly improve
- ___ **23. What does it mean when the air pressure is gradually decreasing?**
A. bad weather is coming. B. the sky is becoming clear.
- ___ **24. What does it mean when the air pressure is gradually increasing?**
A. bad weather is coming. B. the weather will become better.
- ___ **25. What is the BEST thing to do if you see lightning while you are outside?**
A. raise your hands into the air C. yell for help
B. hide under a tree D. crouch on the ground
- ___ **26. Why is it important to stay away from windows during a thunderstorm?**
A. high winds can shatter glass
B. windows get very hot during lightning flashes
- ___ **27. In which severe weather event should you move to higher ground?**
A. hail C. flash flood
B. high wind D. tornado
- ___ **28. What is a storm surge?**
A. Abnormal rise of water generated by a storm, over and above the predicted astronomical tide.
B. Swirling air due to the mixing of warm and cold air masses

The Day After Tomorrow –KEY

1. A
2. B
3. A
4. A
5. A
6. A
7. B
8. A
9. A
10. B
11. A
12. A
13. B
14. A
15. A
16. A
17. A
18. A
19. A
20. D
21. D
22. B
23. A
24. B
25. D
26. A
27. C
28. A