

TEST NAME: Weather Tools,Clouds, Precipitation
TEST ID: 2849178
GRADE: 05 - Fifth Grade
SUBJECT: Life and Physical Sciences
TEST CATEGORY: School Assessment

02/11/19, Weather Tools, Clouds, Precipitation

Student: _____

Class: _____

Date: _____

1. How will freezing air temperatures **most likely** affect rain as it falls through the air?
 - A. It will change to fog.
 - B. It will change to hail.
 - C. It will change to sleet.
 - D. It will continue to fall as rain.
2. What form of precipitation, in which ice crystals freeze over and over, frequently occurs during thunderstorms?
 - A. hail
 - B. snow
 - C. sleet
 - D. heavy rain
3. Dexter saw lightning. Which of the following cloud types was **most likely** present?
 - A. cirrus
 - B. cumulus
 - C. cumulonimbus
4. Why is it important to know the different types of clouds?
 - A. Clouds can indicate the time of day that it is.
 - B. Clouds can indicate the type of weather that will occur.
 - C. Clouds can indicate the temperature of different layers of the atmosphere.

5. Which type of clouds are called fog when they are near the ground?
- A. cirrus
 - B. stratus
 - C. cumulus
6. Which cloud type is the **most likely** to produce hail?
- A. stratocumulus
 - B. cumulonimbus
 - C. cirrocumulus
7. Which **best** explains how clouds are classified?
- A. by the elevation at which they are found
 - B. by the amount of dust particles in the cloud
 - C. by the temperature at which the cloud formed
8. From which cloud would rain or snow **most likely** fall?
- A. cirrus
 - B. cumulus
 - C. cumulonimbus
9. Mark looks at the clouds in the sky and decides that he does not need to take his umbrella with him today. Which clouds did Mark **most likely** see in the sky?
- A. cirrus
 - B. nimbostratus
 - C. cumulonimbus

10. Which instrument is used to record average precipitation?
- A. rain gauge
 - B. barometer
 - C. anemometer
11. If the temperature is 30°F, in which form will precipitation **most likely** be?
- A. fog
 - B. hail
 - C. rain
 - D. snow
12. Jane wants to measure the amount of precipitation in her backyard for the month of January. Which weather instrument should Jane use?
- A. barometer
 - B. rain gauge
 - C. thermometer
 - D. weather vane
13. Which clouds indicate precipitation?
- A. cirrus
 - B. stratus
 - C. nimbus
 - D. cumulus
14. Which **best** explains why it is important for people to be able to identify cumulonimbus clouds?
- A. Cumulonimbus clouds can cause mild showers.
 - B. Cumulonimbus clouds can cause severe thunderstorms.
 - C. Cumulonimbus clouds form near Earth's surface, causing fog.
 - D. Cumulonimbus clouds form when the temperature is below freezing.

15. A scientist is collecting data over time using a barometer. What trends could **best** be revealed from the data?
- A. changes in cloud cover
 - B. changes in temperature
 - C. changes in air pressure levels
 - D. changes in precipitation levels
16. Which type of cloud is **most often** observed during a thunderstorm?
- A. cirrus
 - B. stratus
 - C. cumulus
 - D. cumulonimbus
17. Which method of collecting weather data is **most likely** to be accurate?
- A. collecting daily from the same place at the same time
 - B. collecting daily from different places at different times
 - C. collecting weekly from different places at the same time
 - D. collecting weekly from the same place at different times
18. Which tool is used to measure air pressure?
- A. anemometer
 - B. barometer
 - C. psychrometer
 - D. thermometer

19. Which **best** describes the weather condition in which clouds touch the surface of Earth?
- A. dry
 - B. foggy
 - C. humid
 - D. stormy
20. Which do nimbostratus clouds **most often** produce?
- A. fog
 - B. hail
 - C. rain
 - D. wind
21. A class observes high, feathery clouds during their data collection. Which student's conclusion is **most reasonable**?
- A. Anita says the feathery clouds are rain clouds, and it will rain in the next few hours.
 - B. Stacy says the feathery clouds will remain stationary and bring no rain over the next few days.
 - C. Tyree says high clouds mean skies are clearing, and there will be sunny skies the next few days.
 - D. John says high clouds mean a front is coming and will bring clouds and rain in the next few days.
22. The weather forecast in today's newspaper predicts rain throughout the entire day. Which describes how the sky will **most likely** look?
- A. sunny and clear of clouds
 - B. mostly sunny with a few wispy clouds
 - C. partly sunny with many puffy clouds
 - D. mostly covered in low, heavy clouds

23. Which type of cloud is **most often** visible during fair weather?
- A. altostratus
 - B. cirrus
 - C. cumulonimbus
 - D. stratus
24. Which type of cloud is associated with days of light, continual rain?
- A. cirrus
 - B. stratus
 - C. cumulus
 - D. cumulonimbus
25. What type of cloud is usually associated with thunderstorms?
- A. cirrus
 - B. stratus
 - C. cumulus
 - D. cumulonimbus