

Name: _____

Date: _____

1. Which form of precipitation is frozen rain?

- A. snow
- B. dew
- C. frost
- D. sleet

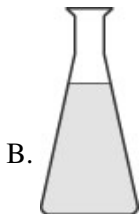
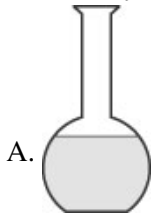
2. Clouds may be high, middle, or low. High clouds are above 20,000 feet. Middle clouds are between 6,000 and 20,000 feet. Low clouds are between the ground and 6,000 feet. Which type of cloud would be found at 10,000 feet?

- A. low cloud
- B. middle cloud
- C. high cloud
- D. cannot be determined from the information given

3. A glass of cold lemonade was taken from the refrigerator and set on the table. Soon there were little drops of water on the outside of the glass. Where did the water come from?

- A. The water came from the air.
- B. The water came through the glass.
- C. Ice in the glass melted and the lemonade in the glass overflowed.
- D. Nobody knows where the water came from.

4. A liter of water is poured into each of the containers shown below and they are left uncovered in a warm room. After a day, which container will have the LEAST amount of water left in it?



5. When the Sun shines, the water in puddles slowly disappears. Which BEST tells how the water in the puddles goes away?

- A. Animals drink all the water.
 - B. The Sun's heat makes the water freeze.
 - C. The Sun's heat makes the water evaporate.
 - D. Cars and people splash all the water away.
-

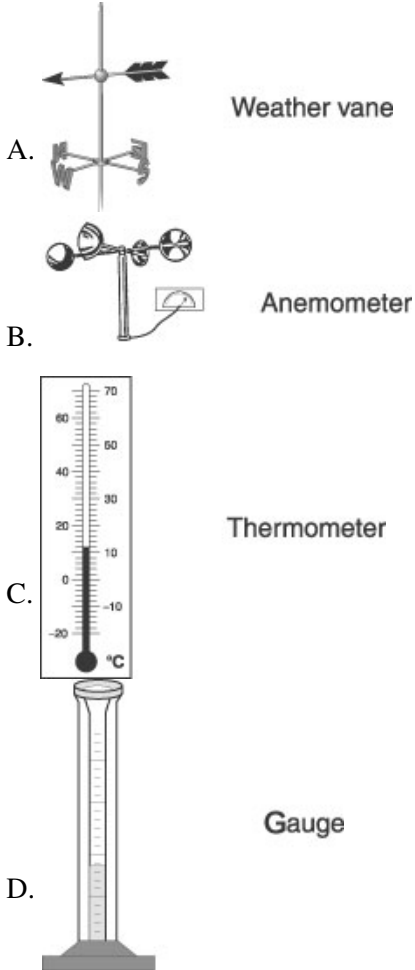
6. Even when it has not rained, you may see drops of water on a car window in the early morning. Which tells why the water is found?

- A. Water in gas form is cooled at night and becomes a liquid.
 - B. Water in solid form (ice) is heated at night and becomes a liquid.
 - C. The car paint absorbs water in the day and loses water during the night.
 - D. The car washer system was used the night before.
-

7. Water can exist in three forms—as liquid (water), solid (ice), and gas (water vapor). Which tells what happens to water as it changes form?

- A. Liquid water gains heat to form a solid (ice).
 - B. Liquid water loses heat to form a solid (ice).
 - C. Solid water (ice) loses heat to form gas (water vapor).
 - D. Water vapor (gas) gains heat to form liquid water.
-

8. Which tool would you use to measure the amount of rain that falls in an area?



9. When water on a sidewalk dries, it goes into the air as water vapor. Later, when the air cools, what happens to the water vapor?

- A. It becomes snow.
- B. It condenses.
- C. It evaporates.
- D. It becomes a gas.

10. Which instrument is used to measure air pressure?

- A. thermometer
- B. barometer
- C. anemometer
- D. hygrometer

11. Which is a weather instrument?

- A. balance
- B. thermometer
- C. meterstick
- D. microscope

12. Which weather instrument tells the direction the wind is blowing?

- A. barometer
 - B. rain gauge
 - C. thermometer
 - D. weather vane
-

13. Which weather instrument is used to measure wind speed?

- A. anemometer
 - B. barometer
 - C. rain gauge
 - D. thermometer
-

14. Sally could not go outside and play for three days because it was raining. Which weather instrument would tell her how much it rained?

- A. barometer
 - B. thermometer
 - C. rain gauge
 - D. weather vane
-

15. A dark, funnel-shaped windstorm that comes near the ground and can cause much destruction is a

- A. tornado.
 - B. blizzard.
 - C. hurricane.
 - D. thunderstorm.
-

16. Which tool tells the way the wind is blowing?

- A. barometer
 - B. rain gauge
 - C. thermometer
 - D. weather vane
-

17. Which tool is NOT used to find out about weather?

- A. scale
 - B. barometer
 - C. thermometer
 - D. weather vane
-

18. A person who is measuring temperature, wind direction, and amount of rain is studying

- A. stars.
 - B. rocks.
 - C. weather.
 - D. animals.
-

19. Felicia is conducting an investigation on weather. She wants to find out what the temperature is outside her apartment window. What tool should Felicia use?

- A. barometer
 - B. sundial
 - C. thermometer
 - D. weathervane
-

20. In a family of rabbits, half the rabbits are brown and half are white. Which statement BEST explains why the rabbits have two different colors?

- A. The white rabbits were in the Sun more than the brown rabbits.
 - B. The brown rabbits inherited different coat colors than the white rabbits.
 - C. The brown rabbit ate foods that are darker in color than the white rabbits.
 - D. The white rabbits live where it is warmer than where the brown rabbits live.
-

21. Which tool can a scientist use to measure temperature?

- A. cup
 - B. ruler
 - C. balance
 - D. thermometer
-

22. Students in Martin's class make a model of the solar system. They cut a circle out of paper for each planet. They want the size of each circle to be the same scale. Which tool should they use to measure the sizes of the circles?

- A. ruler
 - B. balance
 - C. scissors
 - D. thermometer
-

23.

Which answer BEST explains the results of this experiment?

You put an ice cube in a cup. Place the cup in the sun for two hours.

- A. The ice will melt and some water will evaporate.
 - B. All of the water will have evaporated.
 - C. None of the water will evaporate.
 - D. All the water remains in the cup.
-

24.

Which of these is the next step in the water cycle?

Step 1: Evaporation
Step 2: Condensation
Step 3: _____

- A. precipitation
 - B. clouds form
 - C. Water vapor
 - D. freezing
-

25.

Which answer identifies the changing of a liquid to a gas?

- A. water vapor
 - B. evaporation
 - C. precipitation
 - D. condensation
-

26.

When water mixes with air, it forms water vapor. Air cools and water vapor forms clouds. Which part of the water cycle is being described?

- A. precipitation
 - B. condensation
 - C. sublimation
 - D. evaporation
-

27.

In a novel, the main character talks about walking through ground level clouds. Which BEST describes what the character was walking through?

- A. rain
 - B. sleet
 - C. fog
 - D. hail
-

28.

A large amount of liquid water gains heat and evaporates into the air becoming water vapor. There the water particles lose heat and become a liquid again. Which BEST explains what happens next if the liquid turned into a solid?

- A. The liquid could fall as snow.
 - B. It would not fall from the sky.
 - C. The liquid would evaporate.
 - D. It would rain very hard.
-

29.

Which is a reason it is important to observe and keep records of weather conditions over long periods of time?

- A. Scientists enjoy keeping weather records.
 - B. Hurricanes can be prevented and lives can be saved.
 - C. The weather changes so little that these are easy records to keep.
 - D. Scientists predict patterns where flooding or drought might occur.
-

30.



Usually, cumulonimbus clouds are associated with weather that is —

- A. dry.
- B. stormy.
- C. fair.
- D. foggy.

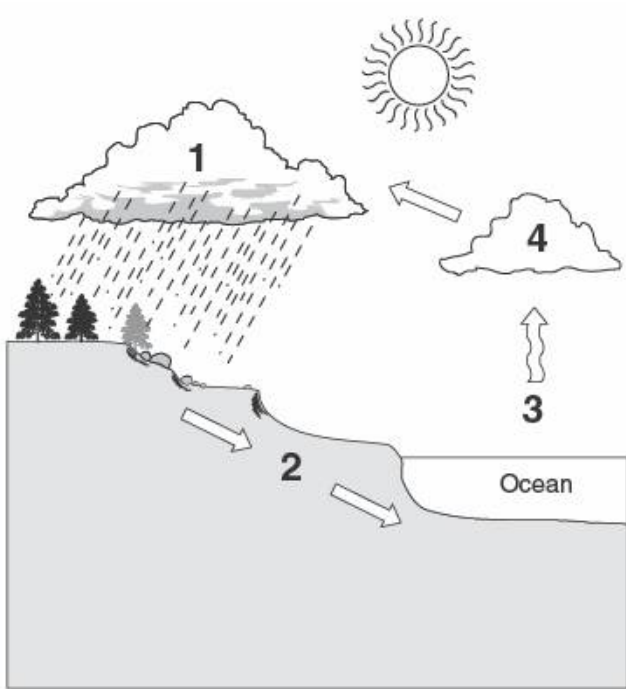
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31. Snow and sleet are two kinds of —

- A. precipitation.
- B. evaporation.
- C. condensation.
- D. temperatures.

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32.



The picture shows the water cycle. At which point in the cycle does most evaporation occur?

- A. 1
- B. 2
- C. 3
- D. 4

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33.










The picture shows a glass of hot water. There are water drops on the inside edge of the glass. Where did the water come from?

- A. It leaked through the glass.
- B. It was sweat from a person.
- C. The glass was tipped over by someone.
- D. It condensed from the rising steam.





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34.

Wind Speed
(in knots)

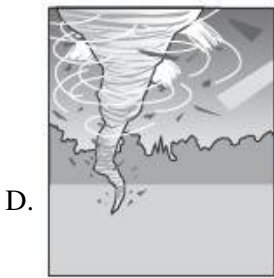
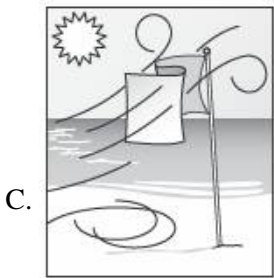
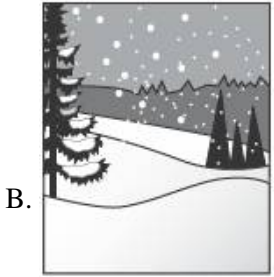
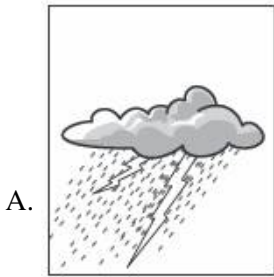
Calm	1 - 2	3 - 7	8 - 12	13 - 17	18 - 22	23 - 27
						

Based on the above symbols, which of the following represents a wind speed of 30 knots?

- A. 
- B. 
- C. 
- D. 

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35. Which of the following weather conditions would make you put on a heavy, warm coat and gloves?



36.

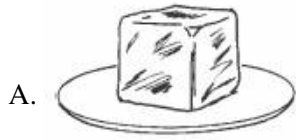


This is a picture of a dry riverbed. What part of the water cycle is needed for the river to run?

- A. Evaporation
- B. Condensation
- C. Precipitation
- D. Weathering

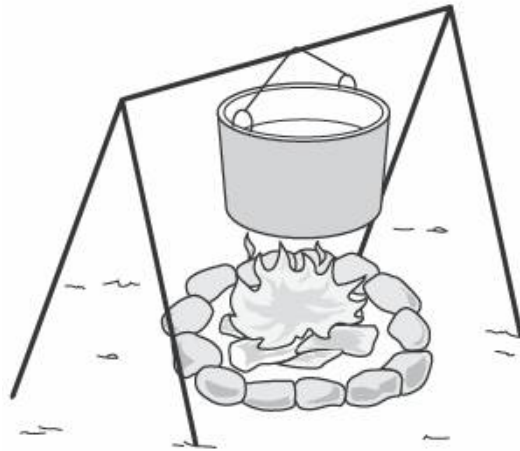
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37. The pictures below show an ice cube left on a plate in a warm room. Which picture was taken last?



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38.



What will happen to the water in the pot if left over the campfire?

- A. The water will turn into a solid.
- B. The water will turn into a gas.
- C. The water will turn into a liquid.
- D. The water will turn into ashes.

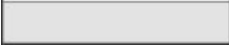
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Answer Key

1. D) sleet

2. B) middle cloud

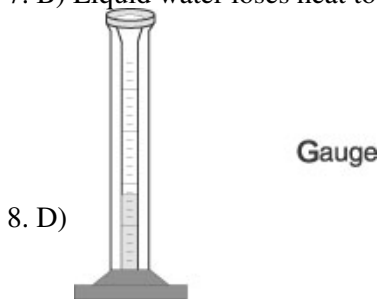
3. A) The water came from the air.

4. C) 

5. C) The Sun's heat makes the water evaporate.

6. A) Water in gas form is cooled at night and becomes a liquid.

7. B) Liquid water loses heat to form a solid (ice).



9. B) It condenses.

10. B) barometer

11. B) thermometer

12. D) weather vane

13. A) anemometer

14. C) rain gauge

15. A) tornado.

16. D) weather vane

17. A) scale

18. C) weather.

19. C) thermometer

20. B) The brown rabbits inherited different coat colors than the white rabbits.

21. D) thermometer

22. A) ruler

23. A) The ice will melt and some water will evaporate.

24. A) precipitation

25. B) evaporation

26. B) condensation

27. C) fog

28. A) The liquid could fall as snow.


29. D) Scientists predict patterns where flooding or drought might occur.

30. B) stormy.

31. A) precipitation.

32. C) 3

33. D) It condensed from the rising steam.

34. A) 

35. B)



36. C) Precipitation

37. B)



38. B) The water will turn into a gas.