

Weather and the Water Cycle

Grade 2-4 · Ages 7-10 · Science · Earth & Space Science · ★★

Circle the correct answer for each weather question.

1. In the water cycle, what do we call water that flows over the ground into rivers?
 - (A) dew
 - (B) runoff
 - (C) condensation
 - (D) vapor
2. What do we call the usual weather of a place over many years?
 - (A) a forecast
 - (B) a season
 - (C) climate
 - (D) weather
3. What instrument measures air pressure?
 - (A) a barometer
 - (B) a thermometer
 - (C) a rain gauge
 - (D) a compass
4. Why does the sky look blue?
 - (A) the air is painted blue
 - (B) the sky reflects the ocean
 - (C) the Moon is blue
 - (D) sunlight scatters off the air
5. What do we call a large, slow-moving river of ice?
 - (A) a hailstone
 - (B) an iceberg
 - (C) a blizzard
 - (D) a glacier
6. What do we call the tall, towering clouds that bring thunderstorms?
 - (A) cirrus clouds
 - (B) cumulonimbus clouds
 - (C) stratus clouds
 - (D) fog
7. What do we call a long stretch of very hot days?
 - (A) a heatwave
 - (B) a blizzard
 - (C) a monsoon
 - (D) a drought
8. What do we call rain that is more acidic than normal because of pollution?
 - (A) hail
 - (B) sleet
 - (C) acid rain
 - (D) dew

9. What do we call a tornado that forms over water?

- (A) a waterspout
- (B) a hurricane
- (C) a tsunami
- (D) a geyser

10. What is the calm center of a hurricane called?

- (A) the heart
- (B) the eye
- (C) the core
- (D) the funnel

11. What do we call the warm region of Earth near the equator?

- (A) the tundra
- (B) the jet stream
- (C) the tropics
- (D) the poles

12. What is the longest day of the year called?

- (A) the winter solstice
- (B) the new moon
- (C) the equinox
- (D) the summer solstice

13. What protects Earth from most of the Sun's harmful ultraviolet rays?

- (A) the clouds
- (B) the ozone layer
- (C) the Moon
- (D) the oceans

14. What do we call frozen raindrops that fall as small ice pellets?

- (A) dew
- (B) hail
- (C) sleet
- (D) snow

15. What do we call the fast river of air that blows from west to east high above the ground?

- (A) the jet stream
- (B) the trade winds only
- (C) a tornado
- (D) a sea breeze

16. What do we call the white, puffy clouds that look like cotton?

- (A) cirrus clouds
- (B) stratus clouds
- (C) fog
- (D) cumulus clouds

17. In the water cycle, where does most rain collect?

- (A) in the Sun
- (B) in space
- (C) in oceans, lakes, and rivers
- (D) in the ground only

19. At what temperature does water freeze?

- (A) 0 degrees Celsius
- (B) 10 degrees Celsius
- (C) 32 degrees Celsius
- (D) 100 degrees Celsius

18. What do we call a heavy snowstorm with strong winds?

- (A) a rainbow
- (B) a blizzard
- (C) a heatwave
- (D) a drought

20. What do we call a scientist who studies and forecasts the weather?

- (A) a botanist
- (B) a geologist
- (C) an astronomer
- (D) a meteorologist

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