

Weather and the Water Cycle

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

Circle the correct answer for each weather question.

1. What mainly causes wind?
 - (A) the Moon
 - (B) the spinning of clouds
 - (C) the ocean tides
 - (D) differences in air pressure
2. What do we call a sudden flood after very heavy rain?
 - (A) a tide
 - (B) a flash flood
 - (C) a drought
 - (D) a heatwave
3. What powers the water cycle?
 - (A) gravity
 - (B) wind
 - (C) the Sun
 - (D) the Moon
4. What do we call the season of heavy rain in India and Southeast Asia?
 - (A) the monsoon
 - (B) the heatwave
 - (C) the drought
 - (D) the blizzard
5. Which gas makes up most of the air?
 - (A) hydrogen
 - (B) carbon dioxide
 - (C) nitrogen
 - (D) oxygen
6. What is a storm with spinning, funnel-shaped winds called?
 - (A) a rainbow
 - (B) a cloud
 - (C) a breeze
 - (D) a tornado
7. What instrument measures wind speed?
 - (A) a thermometer
 - (B) an anemometer
 - (C) a barometer
 - (D) a telescope
8. What is a hurricane called in the western Pacific Ocean?
 - (A) a typhoon
 - (B) a blizzard
 - (C) a tornado
 - (D) a drought

9. What do we call rainwater that soaks into the ground?

- (A) runoff
- (B) groundwater
- (C) vapor
- (D) frost

10. At what temperature does water boil at sea level?

- (A) 0 degrees Celsius
- (B) 50 degrees Celsius
- (C) 212 degrees Celsius
- (D) 100 degrees Celsius

11. What do we call a long period with little or no rain?

- (A) a storm
- (B) a flood
- (C) a drought
- (D) a blizzard

12. What causes a rainbow?

- (A) sunlight passing through raindrops
- (B) snow
- (C) the Moon
- (D) wind

13. What do we call the ice crystals that form on cold surfaces on a clear, cold night?

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

14. What do we call it when snow or ice turns straight into water vapor?

- (A) sublimation
- (B) condensation
- (C) melting
- (D) precipitation

15. What do we call the line where a mass of warm air meets a mass of cold air?

- (A) a breeze
- (B) a tide
- (C) a current
- (D) a front

16. Which season has the longest days in the Northern Hemisphere?

- (A) spring
- (B) summer
- (C) winter
- (D) autumn

17. What does a weather forecast tell us?

- (A) the depth of the ocean
- (B) the age of the clouds
- (C) what the weather was last year
- (D) what the weather will probably be like

18. What do we call the thin, wispy clouds very high in the sky?

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

19. What do we call a very dry area that gets very little rain each year?

- (A) a swamp
- (B) a desert
- (C) a glacier
- (D) a rainforest

20. What do we call the two days each year when day and night are equal?

- (A) the solstices
- (B) the eclipses
- (C) the equinoxes
- (D) the monsoons

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