

Water Cycle and Watersheds Review

True/False

Indicate whether the statement is true or false.

- ___ 1. Every place on Earth is part of some type of watershed.
- ___ 2. If you decide to drill a well for water, you are probably tapping into groundwater.
- ___ 3. In the Earth's water cycle, new water is always being created.
- ___ 4. As melting snow or rainwater runs downhill, they carry sediment and other materials.
- ___ 5. If a truck carrying gasoline got in an accident and spilled it all over the road and ditch, it would be an example of non-point source pollution.
- ___ 6. Buffer strips and Filter strips are large rocky areas surrounding a river.
- ___ 7. When plants go through photosynthesis, they release some extra water vapor into the atmosphere. This is called transpiration.
- ___ 8. The banks of a stream or river have no impact on the water quality in a watershed.
- ___ 9. If you want to help keep a local watershed clean and pollution-free, it is easier to focus on a larger area rather than a smaller area.
- ___ 10. There is much more water being **stored** in the water cycle than is moving through the cycle.

Multiple Choice

Identify the choice that best completes the statement or answers the question.

- ___ 11. occurs when no more water can be absorbed into the ground, and gravity pulls it downhill.
 - a. infiltration
 - b. runoff
 - c. precipitation
 - d. evaporation
- ___ 12. As water vapor rises and cools, _____ form.
 - a. clouds
 - b. fog
 - c. hurricanes
 - d. earthquakes
- ___ 13. Snow, hail, and ice would all indicate an example of _____ precipitation.
 - a. gas
 - b. liquid
 - c. solid
 - d. heavy

- _____ 14. Water naturally exists on Earth in _____ states.
- a. one
 - b. two
 - c. three
 - d. four
- _____ 15. The _____ cycle is another common name for the water cycle.
- a. hydrogen
 - b. hydromax
 - c. hydrologic
 - d. hydroseed
- _____ 16. All of the Earth's lakes and rivers eventually drain into a/an _____.
- a. ocean
 - b. desert
 - c. peninsula
 - d. wetland
- _____ 17. When liquid water from lakes, oceans, or other bodies of water is heated by the sun, it turns into _____.
- a. acid rain
 - b. water vapor
 - c. winter storms
 - d. puffy clouds
- _____ 18. _____ and _____ are both processes in which liquid water is changed into water vapor.
- a. Evaporation / Condensation
 - b. Condensation / Deposition
 - c. Precipitation / Transpiration
 - d. Evaporation / Transpiration
- _____ 19. Pollution in which the source can be identified is _____ pollution.
- a. point-source
 - b. non-point source
 - c. semi-point
 - d. point-away
- _____ 20. _____ is used to describe the topography of the land.
- a. Boundary
 - b. Riparian Area
 - c. Terrain
 - d. Filter Strip
- _____ 21. Water trapped underground by porous materials is called _____.
- a. runoff
 - b. infiltration
 - c. water cycle
 - d. groundwater
- _____ 22. _____ describes living things in and around the watershed.
- a. Wildfire
 - b. Wildlife
 - c. Wildwind
 - d. Wild Wild West
- _____ 23. Parking lots, construction sites, and farm field drainage tiles all can result in _____.
- a. point-source
 - b. non-point source
 - c. semi-point
 - d. point-guard

Matching

- | | |
|------------------|------------------|
| a. condensation | f. infiltration |
| b. wetlands | g. deposition |
| c. watershed | h. water cycle |
| d. boundary | i. buffer strips |
| e. riparian area | j. gravity |

- 24. describes the continuous movement of water on, above, and below Earth
- 25. the changing of gas to a liquid (water vapor to water)
- 26. precipitation in which water vapor in the clouds changes directly to a solid
- 27. causes water droplets to fall to Earth from the clouds
- 28. covered with water at least some of the time during the year
- 29. grassy areas on the borders of fields
- 30. formed by a ridge or high area of land
- 31. area that drains into a lake or river
- 32. land and vegetation near the water banks

Short Answer

- 33. When the BP oil rig burst open in the Gulf of Mexico, did it give off point- source pollution or non-point source pollution. Please explain your answer.

34. Draw and label a picture of the Earth's water cycle. Please include the following terms and show arrows indicating the flow of water: **evaporation, condensation, precipitation, transpiration, clouds, runoff, infiltration, river, groundwater, ocean, sun.**

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