

List of clues for GPS lesson

1. The oceans cover about what percentage of Earth?

- a. 25 percent
- b. 50 percent
- c. 75 percent
- d. 90 percent

To find your way point, find the number value for your answer using the key and multiply that number by 88.

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2. What carries warm water toward the poles?

- tides
- rivers
- waves
- currents

To find your way point, find the number value for each letter of your answer using the key, add those number together and add 74 to that answer.

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3. Choose the phrase that belongs in the sentence. A liter of cold water with high salinity than a liter of warm water with low salinity.

- a. is lighter
- b. is heavier
- c. takes up less volume
- d. takes up more volume

To find your way point, find the number value for your answer using the key and add 627 to that number.

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4. Which best describes rivers, streams, and lakes?

- a. surface saltwater
- b. salty groundwater
- c. fresh groundwater
- d. surface freshwater

To find your way point, find the number value for your answer using the key and multiply that number by 82.

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5. How does an iceberg form?
- a. An iceberg forms when ocean water freezes.
 - b. An iceberg forms when an ice sheet cracks at its base.
 - c. An iceberg forms when water from a glacier flows into an ocean and freezes.
 - d. An iceberg forms when a large piece of ice breaks off a glacier or ice sheet.

To find your way point, find the number value for your answer using the key and add 197.

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6. Water that fills spaces between particles of rock and soil is
- j. rainwater.
 - k. saltwater.
 - l. groundwater.
 - m. reservoir water.

To find your way point, find the number value for your answer using the key and multiply it by 5, then add 37 to that answer.

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7. What is the top level of groundwater in an aquifer called?
- a. water top
 - b. water base
 - c. water level
 - d. water table

To find your way point, find the number value for your answer using the key and multiply that answer by 70.

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8. Which process below does not involve water vapor?
- a. Water vapor rises to form a cloud.
 - b. Groundwater flows into the ocean.
 - c. Snow turns into water vapor by sublimation.
 - d. Ocean water evaporates, leaving salt behind.

To find your way point, find the number value for your answer using the key and multiply the number by 190.

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9. Dew forms during which part of the water cycle?

- a. Runoff b. evaporation c. precipitation d. condensation

To find your way point, find the number value for your answer using the key and multiply that answer by 125.

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10. Sometimes, water vapor on a surface may freeze without first becoming liquid water. What forms when this occurs?

- Hail dew frost snow

To find your way point, find the number value for each letter of your answer using the key, add those numbers together and add 921 to that answer.

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11. Frozen raindrops falling from clouds are called

- Hail sleet snow freezing rain

To find your way point, find the number value for each letter of your answer using the key, add those numbers together and add 690 to that answer.

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12. When air moves upward to areas of less air pressure, what often forms?

- Fog dew clouds water vapor

To find your way point, find the number value for each letter of your answer using the key, add those numbers together and add 80 to that answer.

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13. What happens when moist air rises?
- t. The moist air warms and water evaporates from the air.
 - u. The moist air is able to store even more water as it rises.
 - x. The moist air cools and is able to store more precipitation.
 - y. The moist air cools and the water vapor condenses into clouds.

To find your way point, find the number value for your answer using the key and multiply that answer by 8, then add 1.

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14. What is condensation?
- a. rain becoming ice when it cools
 - b. ice becoming liquid water as it warms
 - c. rain becoming water vapor as it warms
 - d. water vapor becoming liquid water as it cools

To find your way point, find the number value for your answer using the key and multiply that answer by 9, then subtract 1.

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15. Which of these will measure air pressure?
- a. humidity
 - b. barometer
 - c. anemometer
 - d. condensation

To find your way point, find the number value for your answer using the key and multiply that answer by 250.

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16. What is humidity?
- a. air pressure
 - b. how strong the wind is
 - c. the amount of water in the air
 - d. whether air pressure is rising or falling.

To find your way point, find the number value for your answer using the key and multiply that answer by 333.

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17. Why do you often see clouds along a cold front?
- a. Cold air makes the clouds visible.
 - b. Clouds are left from the warm front.
 - c. Water vapor in the cooling air turns into clouds.
 - d. Cold air moves above the warm air to form clouds.

To find your way point, find the number value for your answer using the key and multiply that answer by 64.

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18. Which **best** describes stratus clouds?
- m. low-lying white clouds made of ice crystals
 - n. clouds close to the ground that often bring rain or snow
 - o. clouds high in the sky formed when water vapor becomes ice
 - p. high, white and puffy clouds that may appear in good weather

To find your way point, find the number value for your answer using the key and add 615 to that number.

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19. A river is formed by:
- a. streams and rivers collecting in a low area and becoming stationary
 - b. streams and runoff flowing together
 - c. rivers flowing together into low lying areas
 - d. run-off that flows downhill

To find your way point, find the number value for your answer using the key and multiply that answer by 100 and add 1.

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20. Which of the following contains most of the Earth's water?

- f. geosphere
- g. atmosphere
- h. hydrosphere
- i. oceans

To find your way point, find the number value for your answer using the key and multiply that answer by 41.

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21. Water that falls from clouds is _____

- c. evaporation
- d. condensation
- e. precipitation

To find your way point, find the number value for your answer using the key and multiply that answer by 7.

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22. A cloud that is very close to the ground is _____

- Sleet hail fog

To find your way point, find the number value for each letter of your answer using the key, add those numbers together and multiply that answer times 10.

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23. Ice crystals that form on objects are called _____

- Snow sleet frost

To find your way point, find the number value for each letter of your answer using the key, add those numbers together and then add 673 to that answer.

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24. Liquid water evaporates when the air
- a. gets cooler
 - b. gets warmer
 - c. condenses

To find your way point, find the number value for your answer using the key and multiply that answer by 77.

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25. Precipitation that falls as liquid water is

Hail sleet rain

To find your way point, find the number value for each letter of your answer using the key, add those numbers together and then add 222 to that answer.

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26. An iceberg is _____

- a. a large river of ice
- b. a block of ice floating in the river
- c. a snow mountain
- d. a place that stores snow

To find your way point, find the number value for your answer using the key and multiply that answer by 50 and subtract 3.

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27. What are the three states of water?

- a. condensation, evaporation, precipitation
- b. liquid, gas, solid
- c. rain, snow, hail

To find your way point, find the number value for your answer using the key and multiply that answer by 100 and add 1.

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28. What is a water reservoir?

- a. an area with lots of rain
- b. a place that stores water
- c. an ocean

To find your way point, find the number value for your answer using the key and multiply that answer by 190.

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