

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

# Hydrosphere Unit Study Guide

Directions – use this study guide as a tool to help you prepare for the hydrosphere unit test. This does not go in your notebook and you are not turning this in, it is a tool for you to use.

1. Why is ice less dense than liquid water?
2. Which form of energy is the main cause of surface currents?
3. What is the main source of energy that fuels the water cycle?
4. Which property of water allows it to move against gravity, like through a paper towel?
5. What best explains how deep ocean currents form?
6. What property of water allows it to form droplets?
7. How is the term "reservoir" used to describe water on the Earth?
8. What percent of Earth's water is saltwater?
9. What percent of Earth's water is freshwater?
10. How do plants contribute to the water cycle?
11. How is water cleaned in nature?
12. Why is well water from deep underground sometimes clean enough for drinking?
13. Which property of water makes it so unusual?
14. What is the measure of the amount of open spaces between rock particles?
15. What the measure of the rate at which water flows through rocks?

16. Why is water called a polar molecule?
17. What is the main source of drinking water for St. George, Utah?
18. What do we call a rock layer that can store and allow the flow of water?
19. List 3 ways humans use water.
  - a.
  - b.
  - c.
20. What best explains biotic factors?
21. What best describes abiotic factors?
22. Explain the benthic environment.
23. How is the pelagic environment different than the benthic environment?
24. What are the 3 main groups of marine life?
  - a.
  - b.
  - c.
25. What is the boundary between the zone of saturation and the zone of aeration?
26. If we wanted to conserve water, on which area of water use should we concentrate in order to have the biggest impact?
27. The ability of water to stick to other things is called?
28. Which property of water allows insects to walk on its surface and holds up paperclips?
29. Cold water sinking at the poles and warm water rising at the equator is an example of what process?
30. What is the difference between surface currents and deep ocean current?