

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

## Hydrosphere Unit Intervention

In order to remediate for the unit test, you will need to go to [dixiemiddlescience.weebly.com](http://dixiemiddlescience.weebly.com) and click on the "Hydrosphere Unit Intervention" button. Then complete the following sections.

Student Signature \_\_\_\_\_ Date \_\_\_\_\_

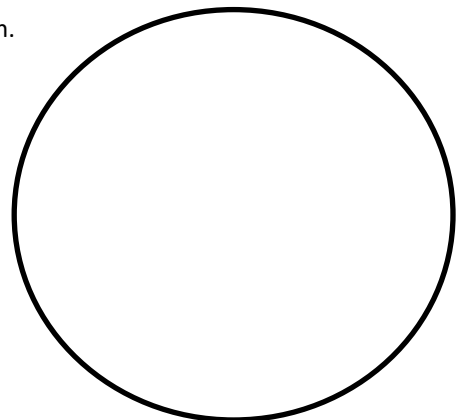
Original Test Score: \_\_\_\_\_%

### Dihydrogen Monoxide

1. Why is water a polar molecule?
2. What is a hydrogen bond?
3. List 4 properties of water AND explain how it is related to polarity.
  - a.
  - b.
  - c.
  - d.

### Storing Water

4. Make an accurate pie chart to show the distribution of water on Earth.  
Make sure to include labels and percentages.



### Let the Cycle Begin

5. Where does the energy for the water cycle come from?

6. Describe 3 phase changes of water that require the absorption of energy.
  - a.
  - b.
  - c.

#### **Abiotic Factors ...Say, What are They?**

7. Define abiotic factors.
8. List 3 abiotic factors that are found in St. George
  - a.
  - b.
  - c.

#### **It's Alive**

9. Define biotic factor.
10. List 3 biotic factors that are found in St. George.
  - a.
  - b.
  - c.

#### **Changing Ecosystems**

11. Define an ecosystem.
12. Give a specific example of how an abiotic factor can change an ecosystem.
13. Give a specific example of how a biotic factor can change an ecosystem.

**Water can be Dirty!**

14. What is a property of water that can allow it to become polluted easily?
15. Give an example of how nature can help clean water.

**The Living Oceans**

16. How did Earth's oceans form?
17. Where did Earth's water come from?
18. What is the main cause of surface currents in the oceans?
19. How do deep ocean currents form?

**Life in the Ocean**

20. How can the location in the ocean determine the type of organisms that live there?

**Ocean Energy Flow**

21. How is convection related to the currents in the ocean?
22. What is upwelling?
23. How do ocean currents help moderate Earth's temperatures?