

## Intervention (Water and Enzymes)

Use pages 69-77 in your “fly” textbook to complete.

1. Draw a water molecule and label the parts.
2. What is a polar molecule?
3. Describe the polar nature of water.
4. What is hydrogen bonding?
5. Describe cohesion and give an example.
6. Describe adhesion and give an example.
7. Describe density and give an example.
8. What is a solute?
9. What is a solvent?
10. Why is water considered the “universal solvent”?
11. Describe heat capacity. What is water's heat capacity like?
12. List 3 factors that speed up chemical reactions.
13. What is a catalyst?

14. What do enzymes do?

15. What are enzymes made out of?

16. How do enzymes work? (what do they lower)

17. Why do enzymes bring reactants together?

18. Where do enzymes bind to reactants specifically?

19. How do environmental factors such as pH and temperature affect enzyme activity?

20. What do enzymes usually end in?