NAME			

DATE HOUR

## WATER, ACIDS, BASES, BUFFERS

Doorenties of Water.	
PROPERTIES OF WATER:	

xplain how water	is able to form 4 hydrogen bonds.
st the 5 emergent	t properties of water.
efine the following	g terms.
Cohesion	
Adhesion	
the circumstance and a second	sive?
hy is water cohes	
rny is water cones	

7.	hy does water have a greater degree of surface tension than most other quids?		
8.	Why does water have a high specific heat?		
9.	What is the biological importance of water's high specific heat?		
10.	Why does water have a relatively high heat of vaporization?		
11.	What is the biological importance of water's relatively high heat of vaporization?		
12.	Why does water expand when it freezes?		
13.	Why does ice float?		
14.	What is the biological importance of the expansion of water when it freezes.		

L5.	Match the description/definition with the correct term.			
	<ul><li>A. Aqueous solution</li><li>B. Hydrophilic</li><li>C. Hydrophobic</li></ul>	<ul><li>D. Solute</li><li>E. Solution</li><li>F. Solvent</li></ul>		
	Homogenous mixture of 2 or more substances			
	Dissolving agent			
	Material being dissolved			
	Solution where water is solvent			
	Water loving; molecules with an affinity for water			
	Water fearing; molecules that do not have an affinity for water			
L6.	. Why is water a versatile solvent?			
L7.	. In general, what kinds of materials will not dissolve in water?			