Final Exam Study Guide Unit 2: Chemistry of Life

L.	All metabolism of a cell occurs in the of the cell, which is made up mostly of	
2.	The type of bond between the oxygen and hydrogen where they <u>share</u> electrons in a water molecule is a bond.	
3.	Water is (circle or highlight one) polar / nonpolar because the electrons are not evenly shared. This trait allows water to form bonds, allowing for the essential properties of water	
4.	Match properties of water with their description	
	Cohesion	a. Easily dissolves other polar substances
	 Adhesion	b. Moderation of temperature
	Surface Tension	c. Attraction of water to other water molecules
	Universal Solvent	
	High Specific Heat	
		f. Attraction of water to other charged substances.
5.	Organic compounds have the element bonded to at least a hydrogen atom.	
6.	Carbon is very unique in that can form up to covalent bonds with other atoms, including other carbon atoms, allowing it to form complex molecules.	
7	What are the 4 organic macromolocules found in all living things?	