

Biochemistry objectives:

1. Define vocabulary terms:
 - a. Polarity
 - b. Cohesion
 - c. Adhesion
 - d. Hydrophobic
 - e. Hydrophilic
 - f. Specific heat
 - g. Functional group
 - h. Monomer
 - i. Polymer
 - j. Dehydration synthesis
 - k. Hydrolysis
 - l. Protein conformation
 - m. Denaturation

2. *Explain how the properties of water that result from its polarity and hydrogen bonding affect its biological function. (Hint: for each water property, explain how it works and affects living things)*

6. Compare and contrast the structure and function of 3 polysaccharides

7. Compare and contrast the structure and function of fats and phospholipids

8. Differentiate between the structure and function of saturated and unsaturated fats

9. Compare and contrast amino acids

10. Identify the C-terminus and N-terminus of polypeptides

11. Identify and describe the 4 levels of protein structure

12. Describe the structural similarities and differences between DNA and RNA

13. Discuss the importance of nucleotide sequence in DNA

14. Explain how a change in the subunits of a polymer may lead to changes in structure and/or function of the macromolecule.