

ORGANIC MOLECULES WEBQUEST

Name: _____

Site 1 The Lipids

Site Location: http://www.wisc-online.com/objects/index_tj.asp?objid=AP13204

1. Lipids are _____ molecules that are insoluble in water.
2. What are fatty acid chains?

3. Define saturated fatty acids

4. What is cholesterol used for in our bodies?

Site 2 The Proteins

Site Location: http://www.wisc-online.com/objects/index_tj.asp?objid=AP13304

1. Proteins comprise what percentage of our body cells? _____
2. What are proteins built from?

3. How many amino acids do we have in our bodies? _____
4. The primary structure of an amino acid is based upon what?

Site 3 The Carbohydrates

Site Location: http://www.wisc-online.com/objects/index_tj.asp?objid=AP13104

1. Carbohydrates are what kind of molecules?
2. What elements are found in carbohydrates? _____
3. What is the ratio of Carbon to Hydrogen to Oxygen? _____
4. Carbohydrates comprise what percentage of our body cells? _____
5. List 4 monosaccharides:

6. What is the smallest carbohydrate called?
7. Disaccharides include what sugar molecules?
8. Polysaccharides include what molecules?

Site 4 About Nucleic Acids

Site Location: <http://biology.about.com/library/weekly/aa051701a.htm?terms=nucleic+acids>

1. What are nucleic acids?
- 2.
2. Nucleotides have what three parts?

Site 5 Enzyme Characteristics

Site Location: <http://www.biologyinmotion.com/minilec/wrench.html>

1. What are enzymes?
2. Without enzymes would most chemical reaction still occur?
3. Without enzymes would chemical reactions in organisms be too slow?
4. What does it mean when I say, "Enzymes are highly specific"?