

Name: _____ Period: _____

Unit 1: Basic Chemistry for Biology

Activity 5: Biomolecules Practice Problems

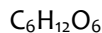
Vocabulary Practice

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|---------------------|--|
| 1. protein | a. Only one molecule made of carbons |
| 2. lipid | b. The type of fat that is not good for us because it packs tightly in our cells. |
| 3. carbohydrate | c. A chain of many monomers |
| 3. nucleic acid | d. Hydrophobic... do not mix with water |
| 4. Organic Compound | e. Has many functions in our cells, our bodies couldn't function without them |
| 5. Monomer | f. AKA sugar/starch |
| 6. Polymer | g. The type of fat that has a double bond that bends the shape and makes them fit more loosely in our cells which makes them easier to break down. |
| 7. Saturated Fat | h. contain carbon atoms that have bonded with hydrogen, oxygen and nitrogen |
| 8. Unsaturated Fat | i. Our DNA and RNA |

DEFINING AND IDENTIFYING BIOMOLECULES

9. Find the definition of an **ORGANIC COMPOUND**. Write the web address in the space below.

10. Are the following molecules organic?



CARBOHYDRATES-

11. What is the common name for carbohydrates?
12. What are the functions of sugars?

LIPIDS-

13. What is another name for lipids?
14. What are the functions of lipids?
15. How do saturated fats differ from unsaturated fats?

PROTEINS-

16. What are the functions of proteins?
17. What are essential for the functioning of any cell?