

Name _____ Date _____ Hour _____

Biology Guided Reading 6-4

1. Define the following key terms
 - a. Organic compound
 - b. Macromolecule
 - c. Polymer
2. What are all living things composed of?
3. Examine figure 25, in what three shapes can carbon molecules form?
4. Examine table 1, what are the 4 types of macromolecules?
5. What 3 elements are present in carbohydrates? What is the general formula for a carbohydrate?
6. What do we call a simple sugar?
7. What is the difference between a disaccharide and a polysaccharide?
8. What elements make up a lipid?
9. What is the primary function of a lipid?
10. What is the difference between an unsaturated fat and a saturated fat?

11. What does hydrophobic mean? Why is this feature important to living things?

12. Which elements are mainly found in proteins?

13. Name at least three things proteins do for us as humans.

14. Which elements are found in nucleic acids?

15. What are the two types of nucleic acids?

16. Complete the following table to summarize your knowledge of the four macromolecules important for biology

| Macromolecule | Example | Job/Function |
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