

Name _____

Period _____

Ms Foglia

Date _____

AP: CHAPTER 5B
MACROMOLECULES

1. What is the characteristic common to lipids? _____

2. Lipids are synthesized by the chemical reaction _____

and broken down by the reaction _____

3. What makes fats hydrophobic? _____

4. State at least two differences between saturated and unsaturated fats.

a. _____

b. _____

5. How do phospholipids interact in an aqueous solution?

6. Make a diagram of phospholipid interactions that form membranes.

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7. Sketch the common building block of steroids.

8. List several functions of proteins.

9. What are the three properties used to classify amino acids?

10. Sketch two amino acids side-by-side, on one of them label the functional groups, then show how the two can be joined together.

11. What determines the primary structure of a protein? _____

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12. Describe the four levels of protein structure:

a. Primary _____

b. Secondary _____

c. Tertiary _____

d. Quaternary _____

13. What happens to a protein during denaturation? _____

14. What are the building blocks of nucleic acids? _____

15. Briefly describe two functions of DNA in the cell.

a. _____

b. _____
