

### CHAPTER 3.4: Lipids

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.

7. Sketch the common building block of steroids.