

Lipid Worksheet

Name: _____

Block: _____

1. What are the 3 major **groups/types** of lipids; and, what are their main functions?

List the three groups of lipids. What are the main functions of each type of lipid?

1. _____ a. _____

2. _____ b. _____

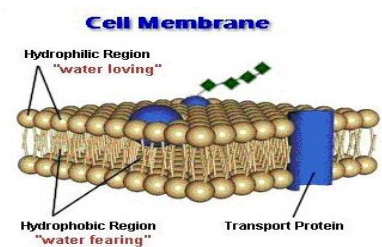
3. _____ c. _____

2. Lipids are not polymers, but they are organic macromolecules. The three main types vary in chemical structure. But, what common characteristics do all lipids have that result in placing these three diverse groups of molecules in the same class of Organic Molecules (*i.e.*, Lipids)?

3. What causes fatty acids to be saturated and unsaturated? _____

4. What does it mean that lipids are nonpolar and how does this affect their relationship with water? _____

5-8. For the three pictures below, write the kind of lipid shown. For oils specify saturated and unsaturated fats.



Bottles of Vegetable Oil



5. _____ 6. _____ 7. _____

8. Fats are used in living organisms _____. Circle the appropriate answer(s).

- a. as semi-permeable biological membranes.
- b. to store energy.
- c. to give plants rigidity.
- d. as chemical messengers.
- e. A & C
- f. A & B
- g. C & D
- h. A, B & C
- i. B, C & D
- j. A, B & D

