

Organic Compound Worksheet

1. What are the characteristics of life?

2. What are the four basic compounds of life?
A. _____ C. _____
B. _____ D. _____
3. What element does all living organisms possess? _____
4. What is the difference between saturated and unsaturated fats?

5. Please fill in the blanks for the following.
 - a. Amino Acid + _____ + _____ → _____
 - b. _____ + Fructose → _____
 - c. _____ + _____ → Lactose
 - d. _____ + _____ → Maltose
 - e. _____ + _____ + _____ + _____ → Lipid (Fat)
 - f. Monomer + _____ → _____
 - g. _____ + _____ + 2 Fatty Acids → _____
 - h. _____ + Monosaccharide + _____ → _____
 - i. Nucleotide + _____ + _____ → _____
 - j. ADP + P → _____
 - k. _____ + _____ + Pentose Sugar → Nucleotide
6. What are the four bases of DNA? _____
7. What is the name of the energy molecule used in animal cells? _____
8. When energy is released during a reaction, it is considered what type of reaction?

9. How many different types of bases are there in DNA? _____