

**Target Practice, Unit 2 Test, Topic #3 – Macromolecules**

1. Name four categories of organic molecules which form the basis of all living things:
2. All of the organic molecules are based on which element?
3. How are the building blocks of organic molecules like bricks?
4. What is the building block of each of the four classes of organic molecules?
  - a. The building blocks of carbohydrates are \_\_\_\_\_
  - b. The building blocks of lipids are \_\_\_\_\_
  - c. The building blocks of proteins are \_\_\_\_\_
  - d. The building blocks of nucleic acids are \_\_\_\_\_
5. What is a polymer?
6. What is a monosaccharide?
7. What are the three major polysaccharides and what are they used for?
8. Name two specific examples of lipids.
9. What is the difference between a saturated and unsaturated fatty acid?
10. What are some of the functions of proteins?
11. What determines the shape and function of a protein?
12. What are the two types of nucleic acids?
13. What is the role of DNA?

