

## Chapter Questions

1. What characteristic of carbon atoms helps to explain the wide variety of organic compounds? (Answer in a complete sentences)

**Study the structural formulas and then answer the questions that follow. Each question may refer to more than one shape.**

2. What are the three shapes that carbon bonds can form, which of these structures represent each of these shapes?

3. Which of these shapes is most similar to a saccharide? What type of organic compounds does the saccharide belong to?

4. Think of how amino acids relate to proteins and how sugars relate to carbohydrates. How are these structures similar and how are they different.

5. What is the function of DNA to living things? Describe in detail.

