

Section Review

Organic Compounds

USING KEY TERMS

1. Use the following terms in the same sentence: *organic compound*, *hydrocarbon*, and *biochemical*.

2. In your own words, write a definition for each of the following terms: *carbohydrate*, *lipid*, *protein*, and *nucleic acid*.

UNDERSTANDING KEY IDEAS

- _____ 3. A saturated hydrocarbon has
- a. only single bonds.
 - b. double bonds.
 - c. triple bonds.
 - d. double and triple bonds.
4. List two functions of proteins.

Section Review *continued*

5. What is an aromatic hydrocarbon?

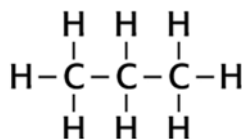
CRITICAL THINKING

6. **Identifying Relationships** Hemoglobin is a protein that is in blood and that transports oxygen to the tissues of the body. Information stored in nucleic acids tells a cell how to make proteins. What might happen if there is a mistake in the information needed to make hemoglobin?

7. **Making Comparisons** Compare saturated hydrocarbons with unsaturated hydrocarbons.

INTERPRETING GRAPHICS

Use the structural formula of this organic compound to answer the following questions.



8. What type of bonds are present in this molecule?

9. Can you determine the shape of the molecule from this structural formula? Explain your answer.
