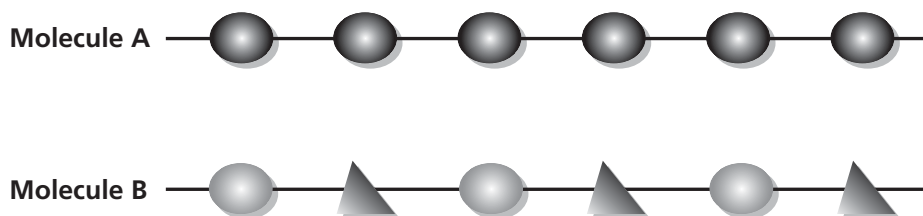


## Carbon Chemistry ▪ 8.3 Review and Reinforce

# Polymers and Composites

**Understanding Main Ideas**

Use the diagram below to answer questions 1–3.



1. What type of molecules are modeled by the diagram?

2. What do the ovals and triangles represent? \_\_\_\_\_

3. In what way does Molecule A differ from Molecule B?

Answer the following questions in the spaces provided.

4. Describe how polymers form.

5. What are composites made of? Give an example.

Label each of the following as a benefit or a disadvantage related to the use of synthetic polymers.

6. strong \_\_\_\_\_

7. increase the volume of trash \_\_\_\_\_

8. may last thousands of years \_\_\_\_\_

9. inexpensive to make \_\_\_\_\_

**Building Vocabulary**

Match each term with its definition by writing the letter of the correct definition in the right column on the line beside the term in the left column.

\_\_\_\_ 10. protein

\_\_\_\_ 11. amino acid

\_\_\_\_ 12. plastic

\_\_\_\_ 13. composite

a. two or more substances combined as a new material with different properties

b. a type of polymer found in living things

c. small molecules that join to form proteins

d. a synthetic polymer that can be molded or shaped