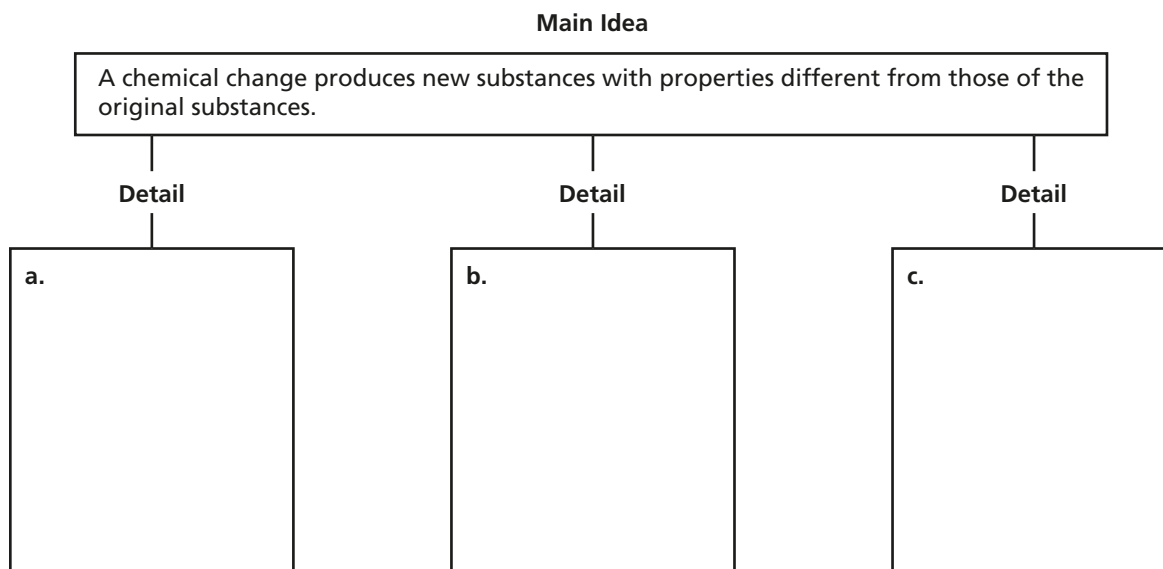


**The Nature of Matter** ▪ *Reading/Notetaking Guide***Changes in Matter** (pp. 68–72)

*This section describes physical and chemical changes in matter. It also explains how changes in matter are related to changes in energy.*

**Use Target Reading Skills**

*After you read about chemical changes, complete the graphic organizer by writing three details that support the main idea.*

**Physical Change** (p. 69)

1. What is a physical change?

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2. Is the following sentence true or false? A substance that undergoes a physical change is a different substance with different properties after the change. \_\_\_\_\_

3. Circle the letter of each example of a physical change.

- a. dissolving
- b. burning
- c. changing from a solid to a liquid
- d. chopping

**The Nature of Matter** ▪ *Reading/Notetaking Guide*

**Chemical Change** (pp. 70–72)

4. What is a chemical change?

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5. How does a chemical change differ from a physical change?

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6. Circle the letter of each example of a chemical change.

- a. distillation
- b. filtration
- c. oxidation
- d. electrolysis

7. The fact that matter is not created or destroyed in any change in matter is described by the \_\_\_\_\_.

8. Identify the following as a physical or chemical change.

- a. cutting a sheet of paper in half \_\_\_\_\_
- b. tarnishing silver \_\_\_\_\_
- c. melting copper with tin to form a bronze \_\_\_\_\_
- d. burning a match \_\_\_\_\_