

Objectives

- Explain the differences between physical and chemical properties.
- Explain the differences between physical and chemical changes.
- Identify examples of physical and chemical changes.
- List the ways to identify a chemical change has occurred.

The BIG Idea

- Rocks change into other rocks over time.

Key Concepts

- Matter has chemical and physical properties.

Physical properties of matter

1. What is a physical property? _____
2. List three examples of a physical property. _____

Physical Change

3. What is a physical change? _____
4. List three examples of physical change. _____

Chemical properties of matter

5. What is a chemical property? _____
6. List two examples of a chemical property. _____

Chemical change

7. What is a chemical change? _____
8. What happens to the atoms in a chemical change? _____

9. List two examples of a chemical change. _____

Identifying a chemical change

10. What is the only true indication that a chemical change has occurred?

11. What are the five signs that indicate a chemical change may have occurred?

12. What is an exothermic reaction? _____

13. What is an endothermic reaction? _____

14. Why are the five signs not always reliable in indicating if a chemical change has occurred? _____