

What are physical and chemical changes?

Lesson Review

Decide whether each item describes a physical change or a chemical change. Write *P* to indicate a physical change or *C* to indicate a chemical change in the spaces provided.

- _____ 1. melting wax
- _____ 2. tarnishing of silver
- _____ 3. rusting of a nail
- _____ 4. breaking an egg
- _____ 5. burning oil
- _____ 6. evaporating water
- _____ 7. mixing flour and salt
- _____ 8. cutting wood into ten pieces

Skill Challenge

Skills: *organizing, classifying*

Physical properties can be observed without changing the makeup of a substance. Chemical properties describe how a substance will react during a chemical change. Decide whether each example below describes a physical property or a chemical property. Place a check mark in the correct column.

Example	Physical Property	Chemical Property
1. Reacts with acid to release hydrogen gas		
2. Has a rectangular shape		
3. Yellow color		
4. Burns in the presence of oxygen		
5. Combines with oxygen to form iron oxide		
6. Freezes at 0°C		
7. Has a volume of 100 cm ³		
8. Decomposes when heated		

Answer Key

PROPERTIES OF MATTER

What are physical and chemical changes?

Lesson Review

1. P 2. C 3. C 4. P 5. C 6. P 7. P 8. P

Skill Challenge

1. Chemical Property
2. Physical Property
3. Physical Property
4. Chemical Property
5. Chemical Property
6. Physical Property
7. Physical Property
8. Chemical Property