

PHYSICAL CHANGE

1. a change in size, shape, or state
2. no new substance is formed

CHEMICAL CHANGE

1. a change in the physical and chemical properties
2. a new substance is formed

Identify the following as physical (*P*) or chemical (*C*) changes.

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| <p>_____ 1. NaCl (Table Salt) dissolves in water.</p> <p>_____ 2. Ag (Silver) tarnishes.</p> <p>_____ 3. An apple is cut.</p> <p>_____ 4. Heat changes H₂O to steam.</p> <p>_____ 5. Baking soda reacts to vinegar.</p> <p>_____ 6. Fe (Iron) rusts.</p> <p>_____ 7. Alcohol evaporates.</p> <p>_____ 8. Ice melts.</p> | <p>_____ 9. Milk sours.</p> <p>_____ 10. Sugar dissolves in water.</p> <p>_____ 11. Wood burn.</p> <p>_____ 12. Pancakes cook.</p> <p>_____ 13. Grass grows.</p> <p>_____ 14. A tire is inflated.</p> <p>_____ 15. Food is digested.</p> <p>_____ 16. Paper towel absorbs water.</p> |
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Physical and Chemical Changes

Part A

Can you recognize the chemical and physical changes that happen all around us? If you change the way something looks, but haven't made a new substance, a **physical change** (P) has occurred. If the substance has been changes into another substance, a **chemical change** (C) has occurred.

1.	An ice cube is placed in the sun. Later there is a puddle of water. Later still the puddle is gone.
2.	Two chemical are mixed together and a gas is produce.
3.	A bicycle changes color as it rusts.
4.	A solid is crushed to a powder.
5.	Two substances are mixed and light is produced.
6.	A piece of ice melts and reacts with sodium.
7.	Mixing salt and pepper.
8.	Chocolate syrup is dissolved in milk.
9.	A marshmallow is toasted over a campfire.
10.	A marshmallow is cut in half.

