

**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.**

_____ 1. NaCl (Table Salt) dissolves in water.	_____ 9. Milk sours.
_____ 2. Ag (Silver) tarnishes.	_____ 10. Sugar dissolves in water.
_____ 3. An apple is cut.	_____ 11. Wood burn.
_____ 4. Heat changes $H_2O$ to steam.	_____ 12. Pancakes cook.
_____ 5. Baking soda reacts to vinegar.	_____ 13. Grass grows.
_____ 6. Fe (Iron) rusts.	_____ 14. A tire is inflated.
_____ 7. Alcohol evaporates.	_____ 15. Food is digested.
_____ 8. Ice melts.	_____ 16. Paper towel absorbs water.

**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.

