Name	WS Physical and Chemical Properties/Changes	
PHYSICAL PROPERTY  1. observed with senses  2. determined without destroying matter	CHEMICAL PROPERTY  1. indicates how a substance reacts with something else  2. matter will be changed into a new substance after the reaction	
Identify the following as a chemical (C) or physical	ical property (P):	
1. blue color	8. melting point	
2. density	9. reacts with water	
3. flammability (burns)	10. hardness	
4. solubility (dissolves)	11. boiling point	
5. reacts with acid	12. luster	
6. supports combustion	13. odor	
7. sour taste	14. reacts with air	
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	

\_\_\_\_\_9. Milk sours.

\_\_\_\_11. Wood rots.

\_\_\_\_12. Pancakes cook.

\_\_\_\_14. A tire is inflated.

\_\_\_\_\_15. Food is digested.

\_\_\_\_\_16. Paper towel absorbs water.

\_\_\_\_\_13. Grass grows.

\_\_\_\_\_10. Sugar dissolves in water.

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

\_\_\_\_\_1. NaCl (Table Salt) dissolves in water.

\_\_\_\_\_2. Ag (Silver) tarnishes.

4. Heat changes H<sub>2</sub>O to steam.

\_\_\_\_5. Baking soda reacts to vinger.

\_\_\_\_\_3. An apple is cut.

\_\_\_\_\_6. Fe (Iron) rusts.

\_\_\_\_\_8. Ice melts.

\_\_\_\_\_7. Alcohol evaporates .

## **Physical and Chemical Changes**

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.