

# Changes in Matter can be Physical or Chemical

## Define Physical Changes

- A change that alters the form or appearance of a material but does not make the material into another substance.
- \* The same type of Matter before & after the change in matter occurs (May only look different.)

### Picture



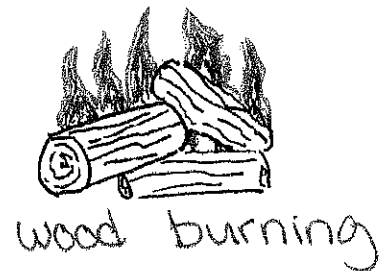
### Examples

- Ice melting
- sugar/salt dissolving in H<sub>2</sub>O
- wood carved
- Water evaporating
- Paper cut into pieces
- Chopping vegetables
- Painting a house

## Define Chemical Changes

- A change in matter that produces new substances with new properties.
- \* A chemical change can be identified because new substances with new Properties that are different from the original substance. (totally different matter.)

### Picture



### Examples

- Burning wood
- Iron rusting
- Silver tarnishing
- Food digesting
- Battery producing electricity
- Cooking food
- Dynamite exploding
- Photosynthesis
- Respiration
- Gasoline burning

What is always involved when changes in matter occur? Energy Changes