

## Chemical Properties

CHEMICAL PROPERTY: the ability to undergo a specific chemical change – can be observed only when a substance undergoes a chemical change



Examples:

- Reactivity
- Flammability



## Chemical Changes

CHEMICAL CHANGE: transformation of one substance into one or more different substances – also known as a...

*chemical reaction!*

Examples

- Burning
- Rusting
- Rotting
- Decomposing
- Reacting
- Exploding
- Fermenting

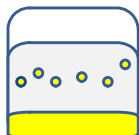


## Chemical Changes

KNOWING WHEN THEY OCCUR...

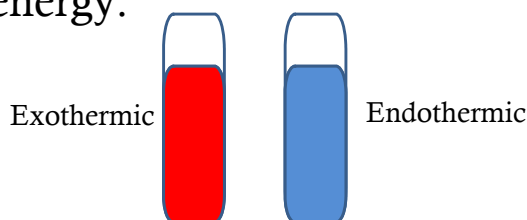
- Dramatic **color** change.

- Production of a gas. 



- Formation of a precipitate.

- Gain or loss of energy.



## Conservation of Mass (and Energy)

It's the LAW: mass is neither created nor destroyed during a chemical or physical change

**Mass of products = mass of reactants**

