MIND MAP

The symbolic representation of a true chemical change or reaction is called a **chemical equation**.

- The chemical equations are balanced to satisfy the law of conservation of mass.
- **Law of conservation of mass :** "Matter can neither be created nor destroyed

Types of Chemical reaction

- Combination reaction
- Decomposition reaction
- Displacement reaction

Decomposition reaction

In this reaction a single substance breaks into two or more simpler substances. It is of three types :

- Thermal decomposition

Double displacement reaction

In this reaction two different atoms or group of atoms are exchanged

- In a chemical equation reactants, products and their physical state are represented symbolically
- Physical States of reactants and products are represented by notations s, l, g and aq

Reactions are made more informative by indicating the

- Physical state of reactants and products
- Heat changes

Combination reaction

Reaction in which two or more substances combine together to form a single substance

Displacement reaction

In this reaction a more reactive element displaces a less reactive element from its compound

Redox reaction

In this reaction oxidation and reduction take place simultaneously.

Corrosion of metals

The slow proces of eating up of metals due to attack of atmospheric gases.

Rancidity