

Chapter 01

CHEMICAL REACTIONS & EQUATIONS

Changes around us:

The various changes place around us can be classified as physical and chemical changes.

- A physical change can be regarded as a change in which no new substances are formed.
- A chemical change is the one which new substances are formed.
- The formation of new substances can be identified by any of following observations like
 - ❖ Change in state
 - ❖ Change in colour
 - ❖ Evolution of gas
 - ❖ Change in temperature.
- Any chemical change taking place around us is also known as chemical reaction.

Chemical Equations:

A symbolic representation of a chemical reaction is known as chemical equation.

Ex: Burning of Magnesium in presence of oxygen gives Magnesium oxide.

The word equation for above chemical reaction is written as,

