

TYPES OF CHEMICAL REACTIONS POINTS TO REMEMBER

- ❖ A chemical change is a change in which one or more new substances are formed.
- ❖ Aerobic: Presence of oxygen.
- ❖ Anaerobic: Absence of oxygen
- ❖ Most combination reactions are exothermic
- ❖ Electrolytic decomposition reaction may occur in the presence of heat or light.
- ❖ All photo decomposition reaction are endothermic reactions.
- ❖ Double displacement reaction or metathesis may occur by the mutual exchange of ions.
- ❖ Precipitation reaction gives an insoluble salt as the product.
- ❖ Neutralisation reactions are reactions between an acid and a base that forms salt and water.
- ❖ Plants cannot grow in an acidic soil.
- ❖ Neutralization prevents tooth decay.
- ❖ Most reactions in chemistry are irreversible reactions.
- ❖ Chemical equilibrium-the rate of the forward reaction is equal to rate of the back ward reactions.
- ❖ Equilibrium is possible in a closed system.
- ❖ Temperature increases the reaction rate.
- ❖ Pressure increases the reaction rate.
- ❖ The term pH means power of hydrogen.
- ❖ pH plays a vital role in everyday life.
- ❖ In humans all bio chemical reactions take place between the pH value of 7.0 to 7.8.
- ❖ If pH of rain water is below 5.6 it's called acid rain.
- ❖ Pure water is a weak electrolyte.