Chemical Equotion: 1-he seartion in the form of equation Magnesium oxide Mognesium + Oxabeu (Reactant) (Reactions) Shows the direction of reaction Types of reaction: Changeal Equation: Like the reaction · Balancing Reactions combine with Complication reaction: No + Ho - NH3 in reachant each other to form sig single product. The amount of Mitrogen and Hydrogen is not It is experience (energy or heat is released) equal to in product. So to balance int eg.  $(a O_{15}) + H_2 O_{(1)} \longrightarrow Ca(011)_2$  ma (Quick 1'me) (Sloked 1'me) reaction. first take the chemical equation: N2+ H2 -> NH2 ( Quick I'me) Then lets take consider the amount of Mitrogen on Decomposition reaction: Single reactant sides. Here Left side has 2 whether decomposed to other products. side has only 1, so multiply 2 with It is endothermic (energy is taken) reaction. Now the equation will become  $(a CO_3(s) \xrightarrow{\text{trak}} (a O_{(s)} + (O_2(s))$   $(\text{Lime stone}) \qquad (\text{Quick lime})$ Donot write (ME) (Lime stone) 2 NH3 Displacement machin: Now to Hydrogen on Left side is 2 One element and 1. apother element , from its compound. . , so multiply H2 eg. Fers + (usourary fesograp + (us)
(inon
sulphate) Therefore, N2 + 342 -> 2 NMg, Now the equation

gos or change its temperature

: Process in which motter whether charge its state or colour

Chemical

Reaction

Displacement Reaction: The which elements displaces Rat reaction 30 their own compounds other 2 Nacl con Bas Ou (s) + Back (any 100 204 (ag) Sodium 1 Barriam 1 Bariom Sodium (Chloride) Sulphate) Sulphak) ( chloride) Mere Basou white precipitate (not soluble in water), therefore this reaction 0610 13 Precipitation reaction. colled and Reduction: Resoc Redoc Oxidation. Reduction oxidation reduction and scauction 열. gain oxygen gain Hydrogen Zr0.+  $\dot{o}_{\Upsilon}$ 08 losses hydrogen losses asygen Oxidotion Redox Oxidation:

- oxygen otmospheric Corrosion: Metal get oxidised with making and meisture and converts Rate into reddis reacts with atmospheric oxygen TOTE coaled on it called rusting and have reddish brown powders to car, bridges, ships, iron roilings etc. (orrasion causes damages Schele .
- Rancidity: Oxidation of fals and oil candre is called Rockdity. This process to prevent ranks change the smell and taste of food product. Antioxidants are used to prevent rancidity.