Class-X(Chemistry) No idea about Idea about weights $Mg + O_2 \xrightarrow{\Delta} MgO$ of reactants & products physical state Unbalanced 2Mg + 0, 2MgO Idea about valency equation No idea about Symbol precipitate Idea about Volume of equation gases involved No idea about Magnesium + oxygen Heat Magnesium oxide Types of concentration Idea about molecules balanced Word equation chemical equation equation No idea about Idea about reactants $2Mg + O \xrightarrow{\Delta} 2MgO$ heat changes & products No idea about Specialities of reversibility chemical equation **♦** State symbol (s), (e), (g) & (aq) No idea about favourable condition Precipitate represented by ppt. Concentration represented Limitation of CHEMICAL EQUATION by dil. & cone. Rectification of chemical equation & REDOX REACTION → Heat evolution represented chemical equation by + heat in RHS & heat absorbed by IN EVERY DAY LIFE - heat in RHS **→** Irreversible reaction (----+) · Air tight container Prevention Reversible reaction (Favorable conditions represented on arrow Rancidity Redox Reaction Important biochemical reaction Harms Uses Respiration in every day life which releases energy in the cells. CH.(g) + 2O,(g) + H2O(£) + heat accompanied by combustion of Pollution 2C + O, -A = 2CO, alucose Generally products of combustion Corrosion $C_8H_{12}O_8(s) + 6O_2(g) \longrightarrow 6CO_2 + 6H_2O + Energy$ (Combustion) (harmful gases)create pollution Heating in presence of Corrosion $4\text{Fe} + 3\text{O}_2 + x\text{H}_2\text{O} \longrightarrow 2\text{Fe}_2\text{O}_2 \times \text{H}_2\text{O}_2$ Paints oxygen accompained with of iron (Reddish brown) evolution of Heat & light e.g. Combustion of LPG → Greasing Prevention 2C.HD + 13O2 - 8602 + 10H2O + Energy Corrosion & oiling 2Cu + O₂ + H₂O + CO₂ --> Cu(OH)₂. CuCO₃ Combustion of COVC $CO_2 + 2H_2O + Energy$ of copper (Green) Galvanisation (Coating the surface Corrosion → Ag,S + H, of iron objects with thin of silver (Black) layer of zinc)

· ByN,

25 + 0, 250,

· By antioxidants

· Refrigeration

e.g. BHT, BHA, etc.

Oxidation of fats & oi

present in food

2Ag + H,S-