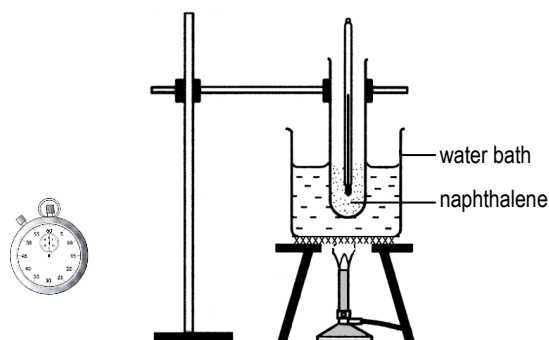
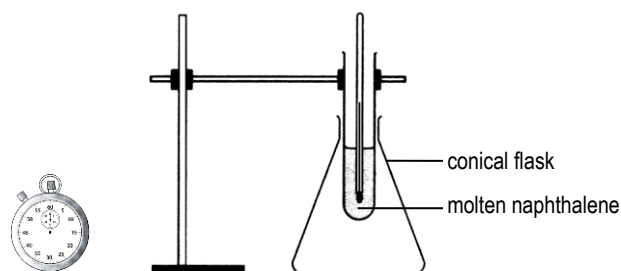


IMPORTANT DIAGRAMS IN SPM CHEMISTRY EXPERIMENTS

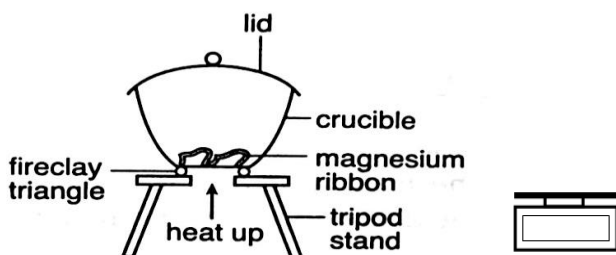
DETERMINING MELTING POINT OF NAPHTHALENE



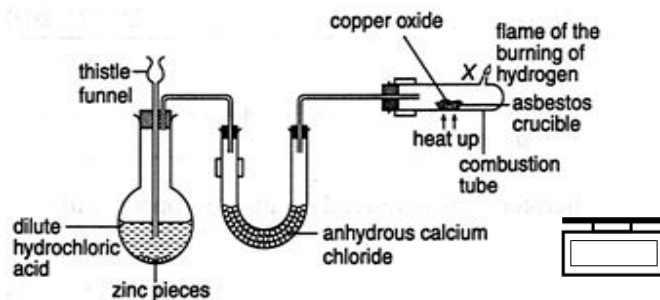
DETERMINING FREEZING POINT OF NAPHTHALENE



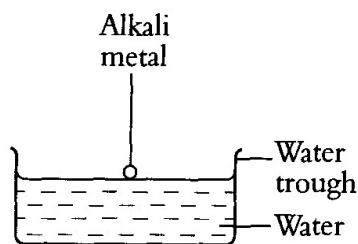
EMPIRICAL FORMULA OF REACTIVE METAL



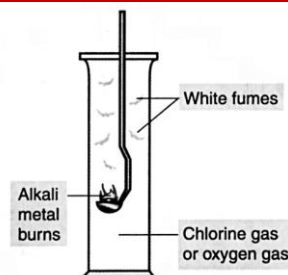
EMPIRICAL FORMULA OF UNREACTIVE METAL



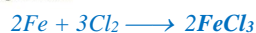
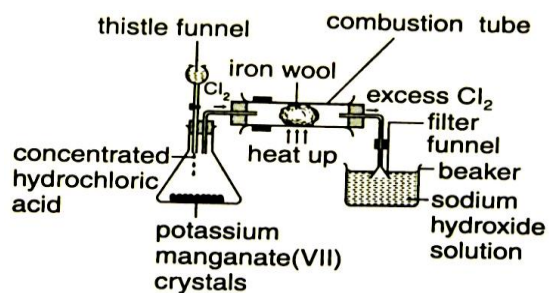
REACTION OF ALKALI METALS WITH WATER



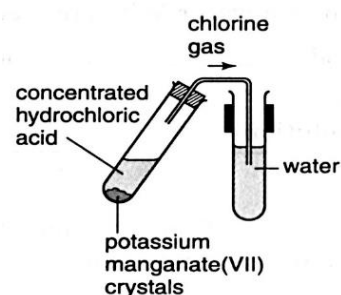
REACTION OF ALKALI METALS WITH OXYGEN



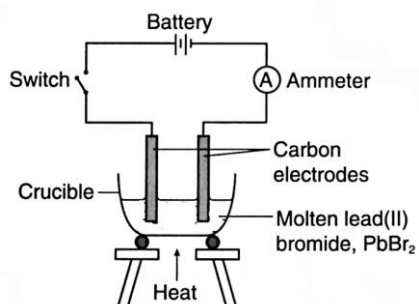
REACTION OF CHLORINE WITH IRON



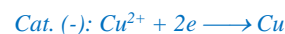
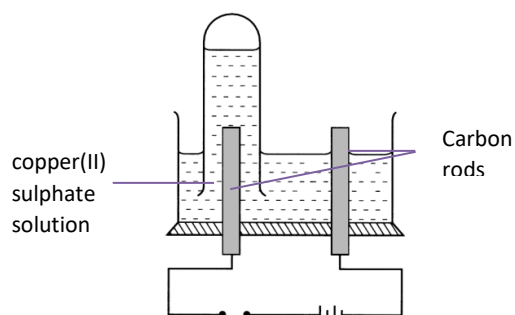
REACTION OF CHLORINE WITH WATER



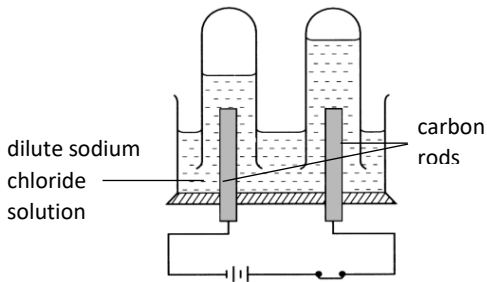
ELECTROLYSIS OF MOLTEN LEAD (II) BROMIDE



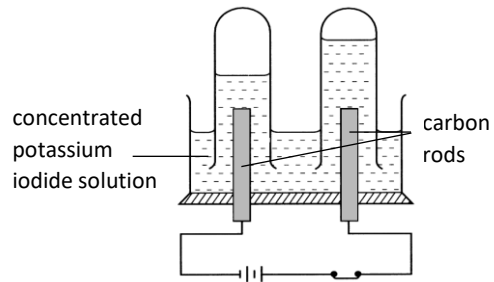
ELECTROLYSIS OF COPPER(II) SULPHATE SOLUTION (POSITION OF IONS IN ECS)



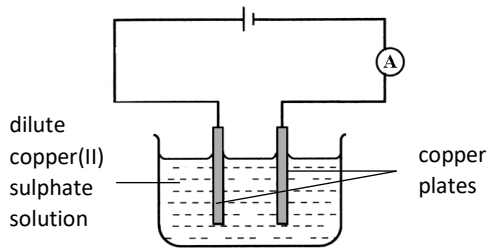
ELECTROLYSIS OF SODIUM CHLORIDE SOLUTION (CONCENTRATION OF IONS)



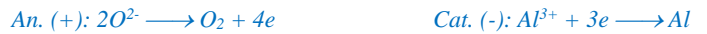
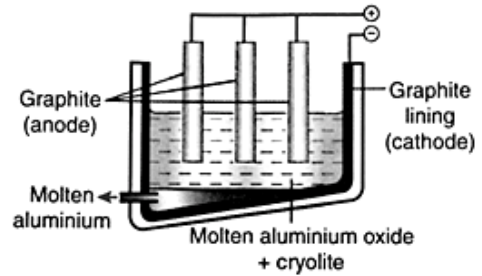
ELECTROLYSIS OF POTASSIUM IODIDE SOLUTION (CONCENTRATION OF IONS)



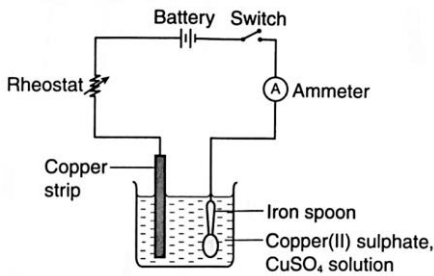
ELECTROLYSIS OF COPPER(II) SULPHATE SOLUTION (TYPE OF ELECTRODES USED)



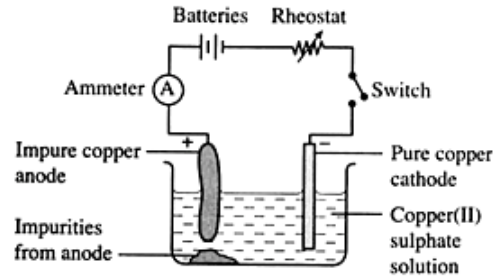
EXTRACTION OF METALS



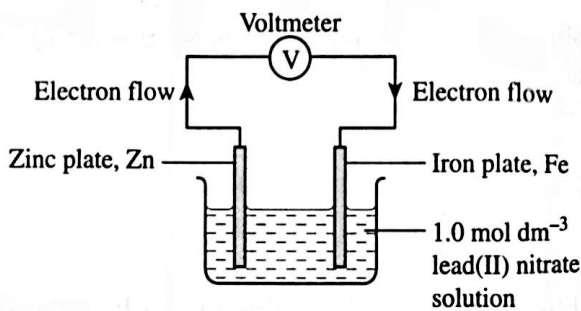
ELECTROPLATING OF METALS



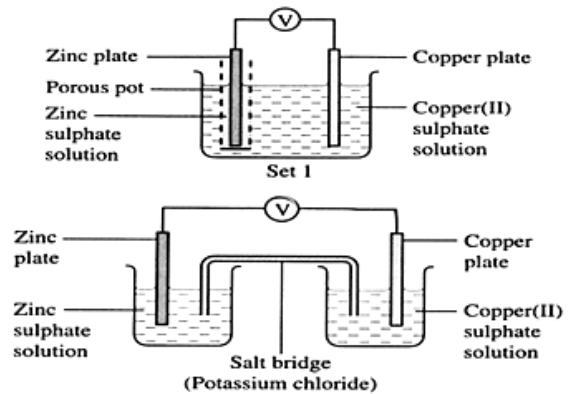
PURIFICATION OF METALS



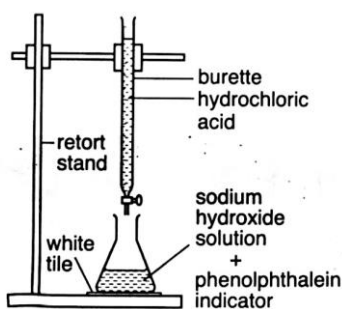
SIMPLE VOLTAIC CELL



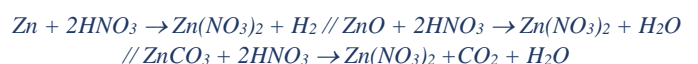
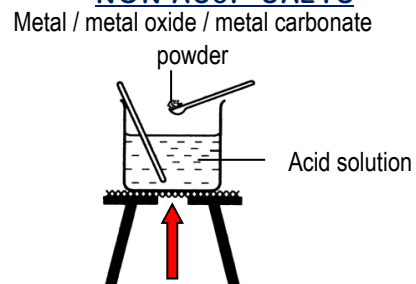
DANIELL CELL



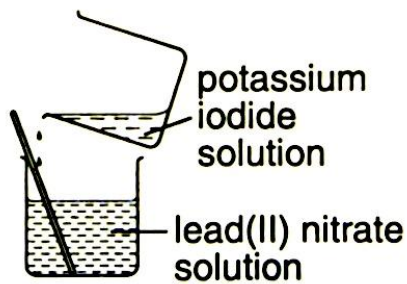
TITRATION - NEUTRALISATION : PREPARATION OF ASO_P SALTS



PREPARATION OF SOLUBLE OF NON-ASO_P SALTS

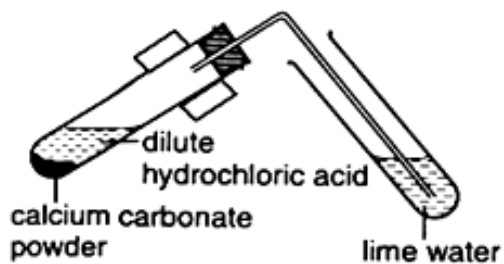


PREPARATION OF INSOLUBLE SALTS THROUGH PRECIPITATION REACTION



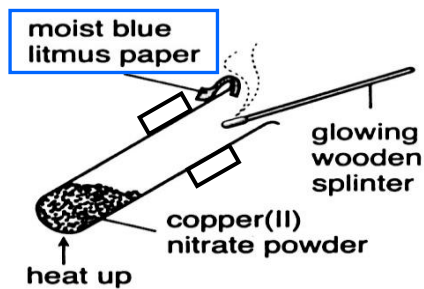
(yellow precipitate formed; PbI_2 present)

REACTION OF CARBONATE SALTS WITH ACIDS / CHEMICAL TEST : CARBONDIOXIDE GAS



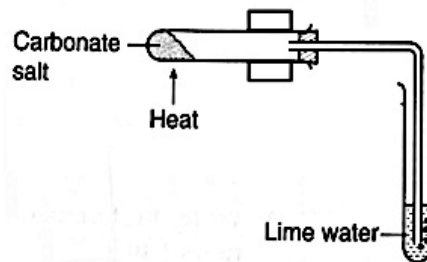
(turns chalky)

EFFECT OF HEAT ON NITRATE SALTS



(turns red : NO_2 is acidic; relights : O_2 present)

EFFECT OF HEAT ON CARBONATE SALTS / CHEMICAL TEST : CARBON DIOXIDE GAS, CO_2



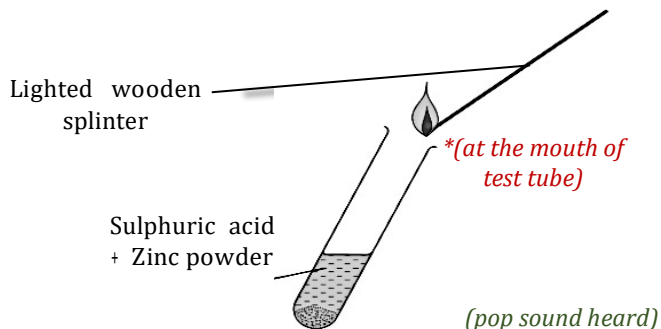
(turns chalky)

CHEMICAL TEST : OXYGEN GAS, H_2



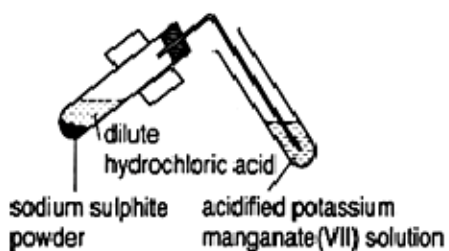
(relights : O_2 present)

CHEMICAL TEST : HYDROGEN GAS, H_2



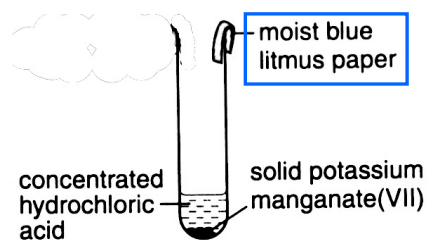
(pop sound heard)

CHEMICAL TEST : SULPHUR DIOXIDE GAS, SO_2



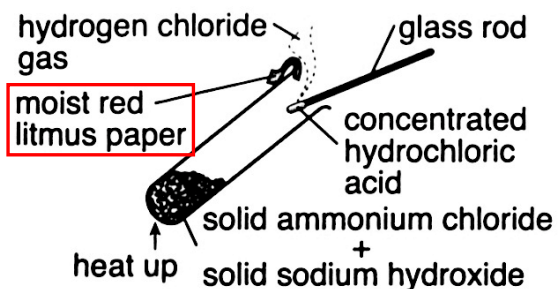
(purple solution turns into colourless)

CHEMICAL TEST : CHLORINE GAS, Cl_2



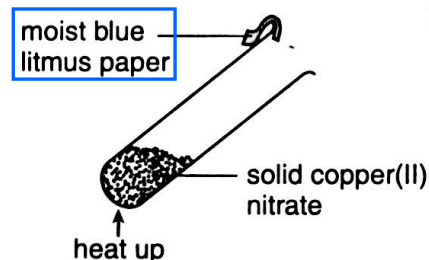
(turns red : acidic gas)

CHEMICAL TEST : AMMONIA GAS, NH_3



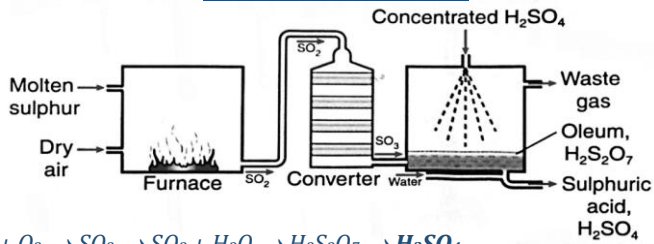
(turns blue : alkaline gas)

CHEMICAL TEST : NITROGEN DIOXIDE GAS, NO_2

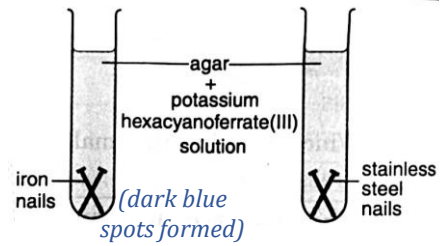


(turns red : acidic gas)

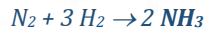
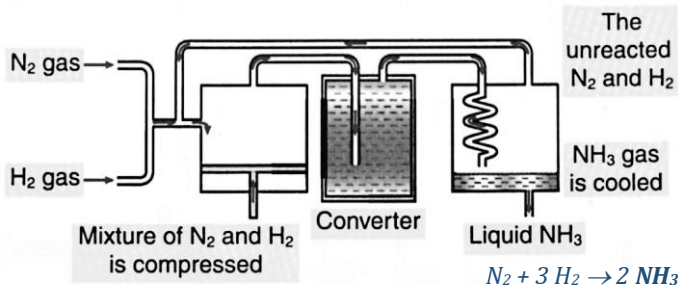
MANUFACTURE OF SULPHURIC ACID; CONTACT PROCESS



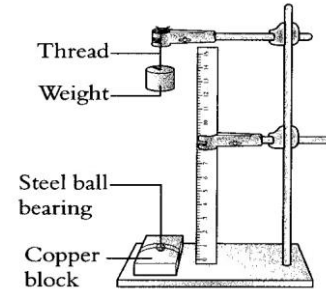
COMPARISON OF THE CORROSION RATES OF ALLOY AND PURE METAL



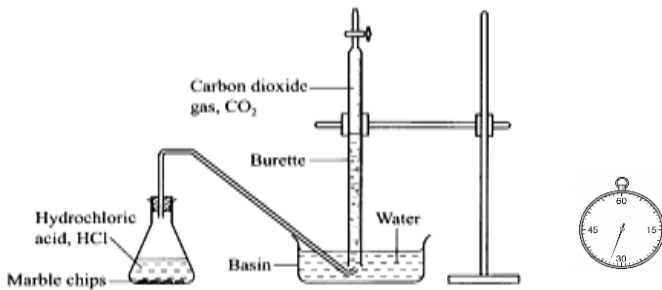
MANUFACTURE OF AMMONIA; HABER PROCESS



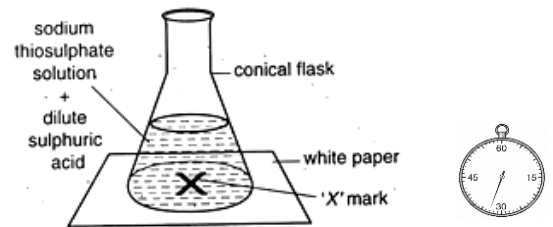
HARDNESS OF PURE METAL AND ALLOY



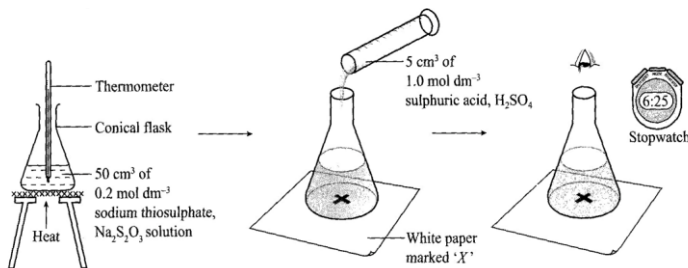
EFFECT OF TOTAL SURFACE AREA ON THE RATE OF REACTION



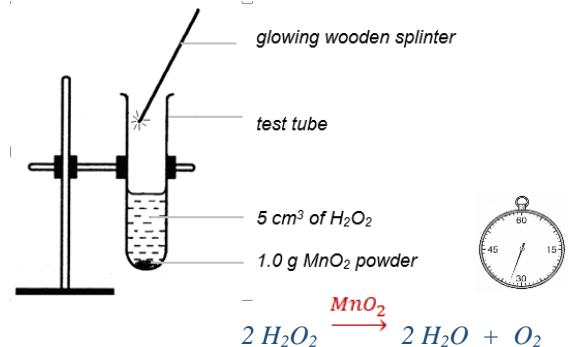
EFFECT OF CONCENTRATION ON THE RATE OF REACTION



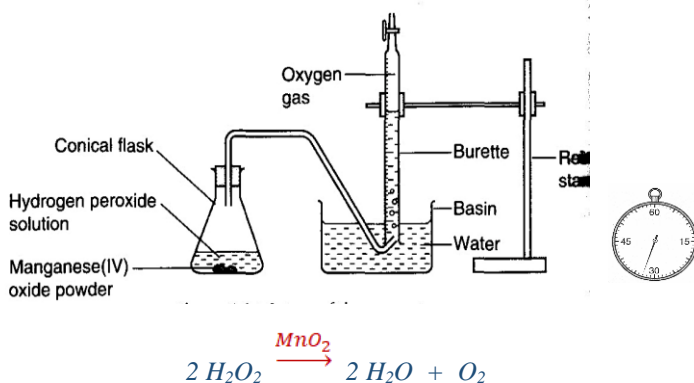
EFFECT OF TEMPERATURE ON THE RATE OF REACTION



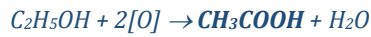
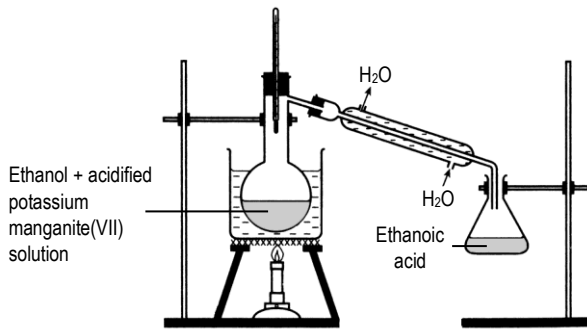
EFFECT OF 'PRESENCE' OF CATALYST ON THE RATE OF REACTION



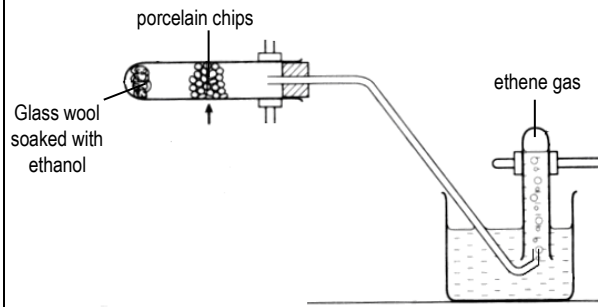
EFFECT OF THE 'AMOUNT' OF CATALYST ON THE RATE OF REACTION



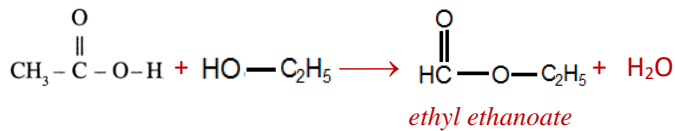
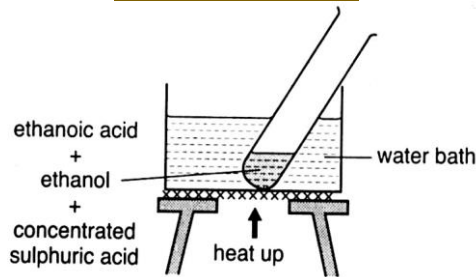
OXIDATION OF ETHANOL



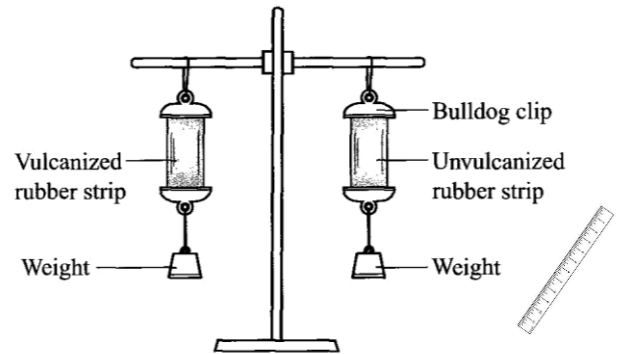
DEHYDRATION OF ETHANOL



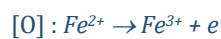
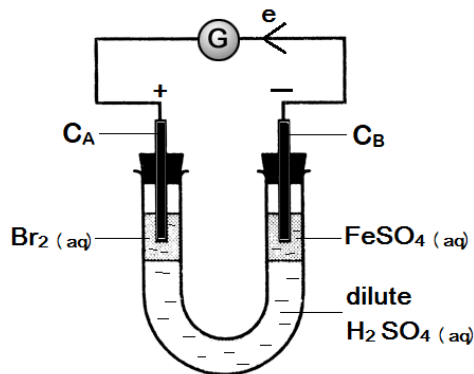
ESTERIFICATION



ELASTICITY OF VULCANIZED AND UNVULCANIZED RUBBER



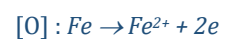
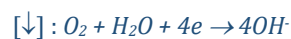
TRANSFER AT A DISTANCE



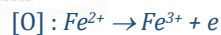
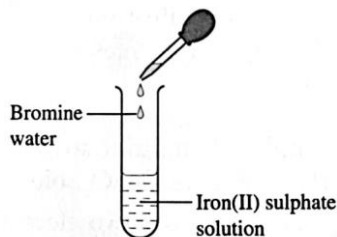
RUSTING OF IRON



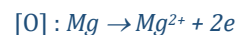
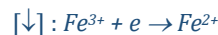
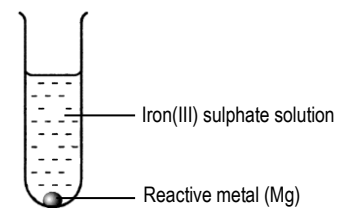
- hot jelly solution
- acidified potassium manganate(VII) solution
- phenolphthalein



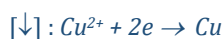
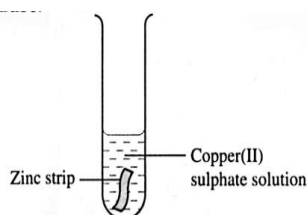
CHANGE OF Fe²⁺ TO Fe³⁺



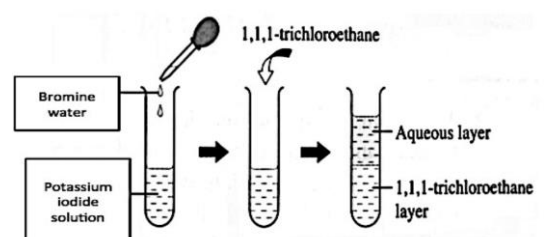
CHANGE OF Fe³⁺ TO Fe²⁺



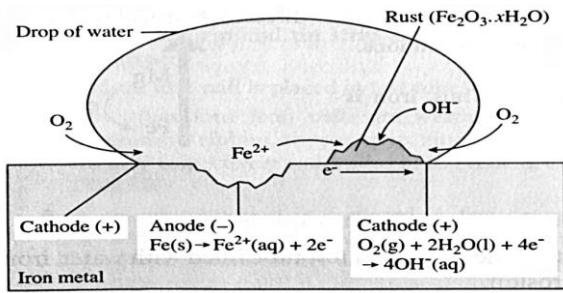
DISPLACEMENT OF METAL FROM ITS SALT SOLUTION



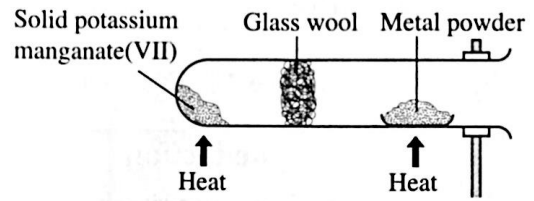
DISPLACEMENT OF HALOGEN FROM ITS HALIDE SOLUTION



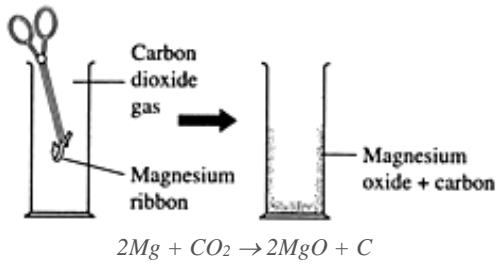
RUSTING OF IRON (FORMATION OF RUST)



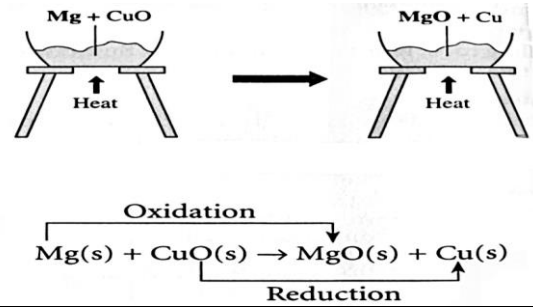
POSITION OF METALS IN REACTIVITY SERIES



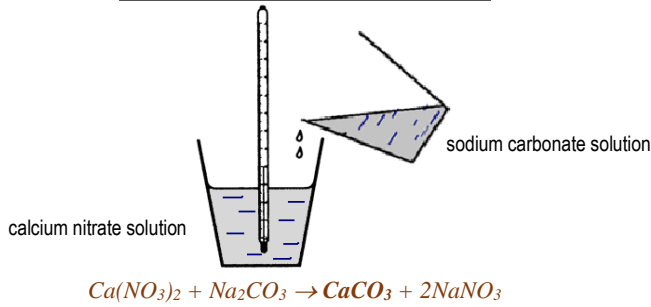
POSITION OF CARBON IN REACTIVITY SERIES



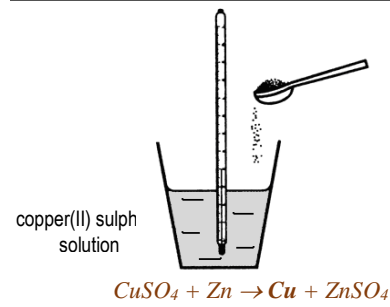
EXTRACTION OF METALS



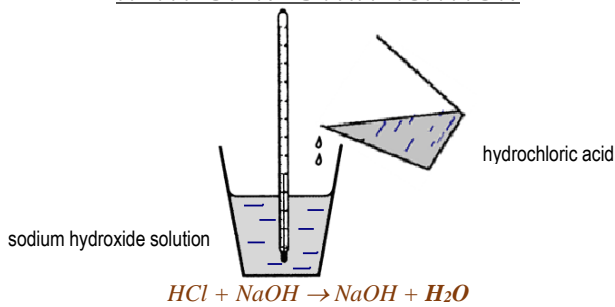
HEAT OF PRECIPITATION



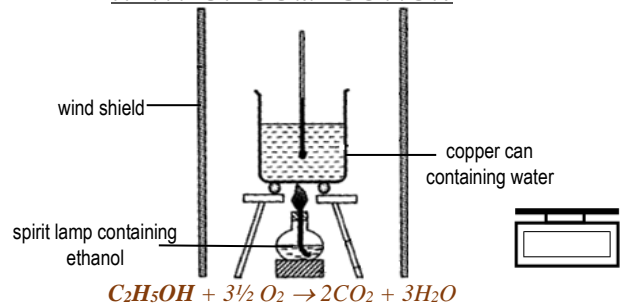
HEAT OF METAL DISPLACEMENT



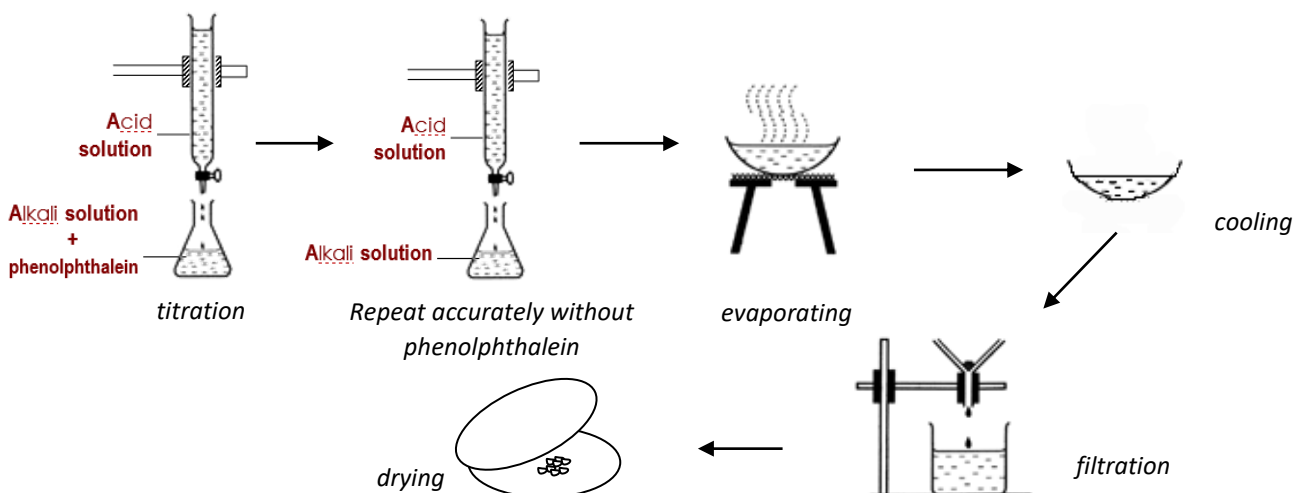
HEAT OF NEUTRALISATION



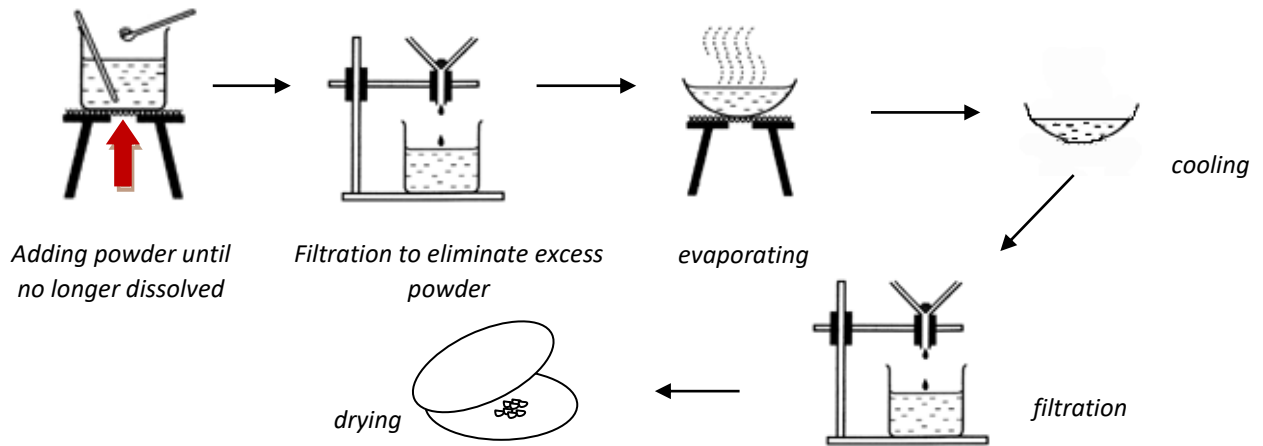
HEAT OF COMBUSTION



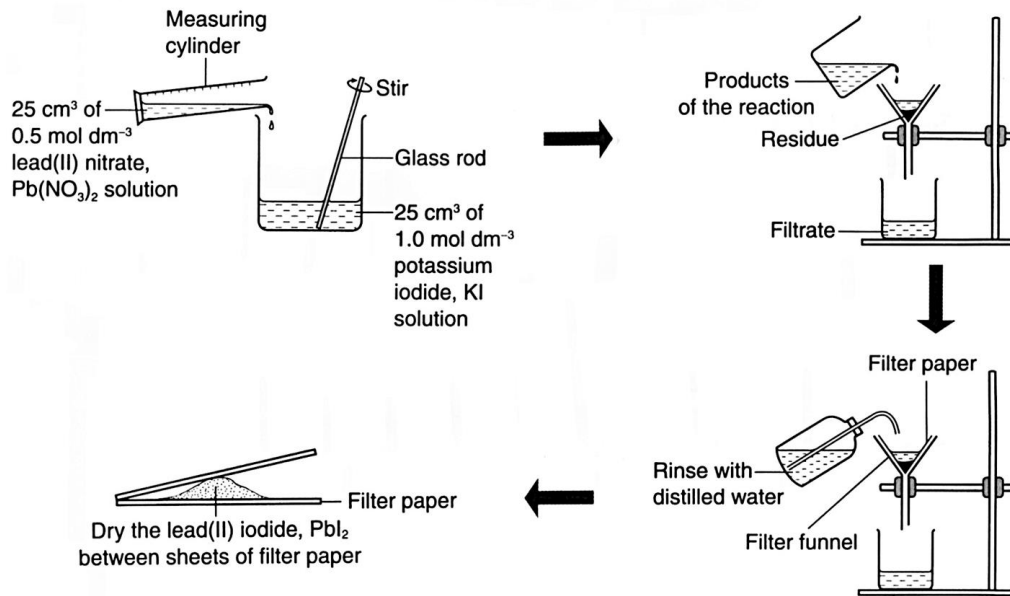
Preparation of Soluble salts of Na⁺ K⁺ NH₄⁺. - AsoP salts



Preparation of Soluble salts other than Na+ K+ NH₄⁺ (Soluble of non ASoP salts)



Preparation of Insoluble salts



CONTRIBUTION OF SCIENTISTS IN DEVELOPMENT OF ATOMIC MODEL

