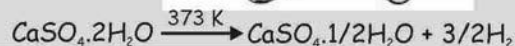
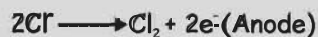




- (i) Soap & Detergent
- (ii) Refining of petroleum
- (iii) Dye industries
- (iv) concentration of bauxite ore



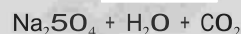
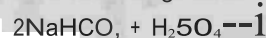
- (i) In sealing gaps
- (ii) Making toys, cosmetics & casts of statues
- (iii) Cast for setting broken bones
- (iv) Making moulds in pottery
- (v) Making design on walls & ceiling



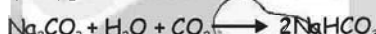
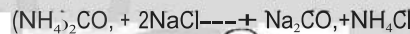
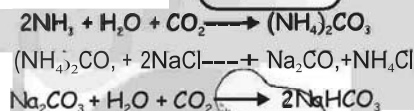
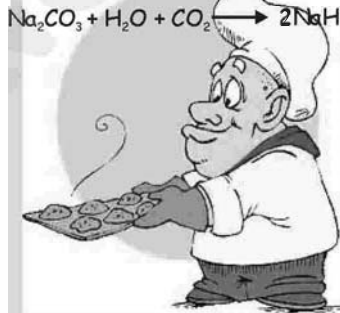
- (i) To make wool shrink proof
- (ii) Used as bleaching agent in paper & textile industries
- (iii) for disinfecting water to make it free from germs
- (iv) in preparation of chloroform (CHCl_3)



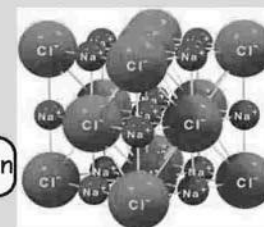
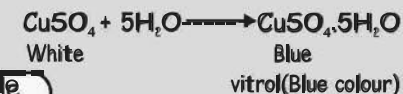
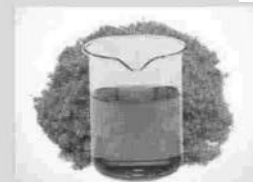
- (i) used in baking powder
- (ii) In medicine as soda bicarb (antacid)
- (iii) In fire extinguisher



- iv) In paper, textile, ceramic etc. industries



Certain short contain definite amount of some H_2O molecules loosely attach on molecules these are known as hydrated salts.

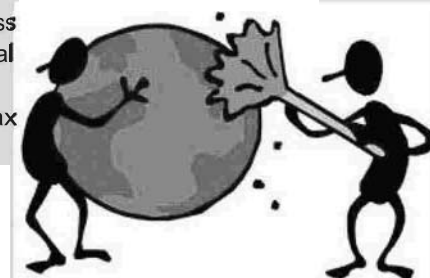


Preparation



Uses

- (i) In muscle contraction, in conduction of nerve impulse in the nervous system
- (ii) It is used as a fertilizers for sugar beet
- (iii) In leather industry for leather tanning
- (iv) Raw material for chemicals like HCl , NaHCO_3 , etc.
- (v) In severe cold rock salt is spread on icy roads to melt ice.



SOME IMPORTANT CHEMICAL COMPOUNDS

Preparation

Uses

Caustic Soda (NaOH)

Definition

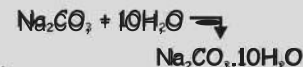
Hydrated salts

Example
Blue vitrol

Sodium chloride (NaCl)

Washing soda
 $\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O}$

Preparation



Uses

- (i) Cleansing agent
- (ii) Softening hardwater
- (iii) Manufacture of glass
- (iv) Constituent of several dry soap powder
- (v) Manufacture of borax ($\text{Na}_2\text{BP}_7 \cdot 10\text{H}_2\text{O}$)