

ACIDS, BASES AND SALTS

BY REKHA CHOUDHARY T.G.T SCIENCE

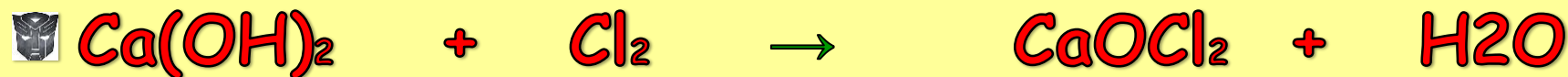


BLEACHING POWDER

 CHEMICAL FORMULA - CaOCl_2

 CHEMICAL NAME - CALCIUM OXYCHLORIDE

 THIS SALT IS PREPARED BY ACTION OF CHLORINE ON DRY SLAKED LIME.



BLEACHING POWDER



USES :

- USED FOR BLEACHING COTTON AND LINEN IN THE TEXTILE INDUSTRY
- USED FOR BLEACHING WOOD PULP IN PAPER FACTORIES
- USED FOR BLEACHING WASHED CLOTHES IN LAUNDRY
- USED AS AN OXIDISING AGENT IN MANY CHEMICAL INDUSTRIES
- USED FOR DISINFECTING DRINKING WATER TO MAKE IT FREE OF GERMS

BAKING SODA



CHEMICAL FORMULA - NaHCO_3



CHEMICAL NAME - SODIUM
HYDROGENCARBONATE



THIS SALT IS PREPARED BY ACTION OF
AMMONIA ON SODIUM CHLORIDE IN THE
PRESENCE OF WATER AND CARBON DIOXIDE



$\text{NaCl} + \text{H}_2\text{O} + \text{CO}_2 + \text{NH}_3 \rightarrow \text{NH}_4\text{Cl} + \text{NaHCO}_3$

BAKING SODA



CHEMICAL PROPERTY -

- IT IS A MILD NON CORROSIVE BASE.
- IT RELEASES CARBON DIOXIDE GAS ON HEATING.
- $\text{NaHCO}_3 \rightarrow \text{Na}_2\text{CO}_3 + \text{H}_2\text{O} + \text{CO}_2$
- BAKING POWDER IS A MIXTURE OF BAKING SODA AND A MILD EDIBLE ACID SUCH AS TARTARIC ACID.

BAKING SODA



USES:

- USED IN KITCHEN FOR MAKING TASTY CRISPY PAKORAS
- ADDED FOR FASTER COOKING
- CARBON DIOXIDE PRODUCED DURING HEATING CAUSES BREAD AND CAKE TO RISE MAKING THEM SOFT AND SPONGY
- USED AS AN INGREDIENT IN ANTACIDS TO NEUTRAISE EXCESS ACID IN STOMACH
- USED IN SODA-ACID FIRE EXTINGUISHERS