

field makes the soil too acidic. So in acidic soil it should be treated with base while the basic soil should be treated with acids.

d) Factory wastes:-

The wastes substances discharged by many factories contain acids. If these untreated factory wastes are discharged into water bodies, then it will the aquatic animals. So before disposing it into the water bodies it must be treated with bases.

ACIDS

:- Those substances which reacts with a base to form salt(or water) are called acids.

eg:- Hydrochloric acid, Sulphuric acid, formic acidetc.

Types of acids:-

There are two types of acids

a) Organic acids(Naturally occuring acids):-

Organic acids are weak in nature. Mainly they are obtained from plants and animals.

eg:- Acetic acid, formic acid, citric acid, lactic acid....etc.

b) Mineral acids(Extracted from the minerals of the earth):-

Mineral acids are very strong in nature.

eg:- Hydrochloric acid, Sulphuric acid, Nitric acid....etc.

NAME OF ACID

Acetic acid
Formic acid
Citric acid

Lactic acid
Oxalic acid
ascorbic acid (Vitamin C)
Tartaric acid

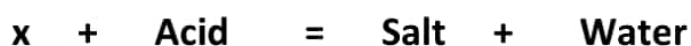
SOURCE

Vinegar
Ant's sting
Citrus fruits such as
oranges, lemons....etc.
Curd
Spinach
Amla, Citrus fruit
Tamarind, grapes, unripe
mangoes.etc

BASE:-

A substance which reacts with an acid to form salt and water is called a base.

i.e,



eg:- Sodium Hydroxide, Calcium Hydroxide, Magnesium Hydroxide....etc.

NAME OF BASE

Calcium Hydroxide
Ammonium Hydroxide
Sodium Hydroxide
Potassium Hydroxide
Magnesium Hydroxide

SOURCE

Lime Water
Window cleaner
Soap
Soap
Milk of magnesia

NEUTRAL SOLUTION:-

A solution which does not change the colour of any indicator is called neutral solution.

Sugar solution, Salt solution.....etc.

SALTS:-

A salt is a substance formed by the reaction of an acid with a salt.

eg:- Sodium Chloride, Calcium Sulphate, Magnesium Chloride.

ACID RAIN:-

The rain which contains a higher level of acid than normal is called acid rain.

THANKS