

i.e,

Baking soda+vinegar=Sodium acetate+Carbon dioxide+Water

NOTE-

(i) Chemical name of baking soda is Sodium Hydrogen Carbonate.

(ii) Vinegar contains acetic acid.

Rusting of iron:-

“ The process in which iron reacts with damp air to form brown flaky substance (or,Rust) is called rusting of iron.”

i.e,

Iron + oxygen + water \rightleftharpoons Iron Oxide(or,rust)

Conditions necessary for rusting:-

i) Presence of oxygen(or,air),

ii) Presence of water or water vapour(called moisture).

Prevention of rusting of iron:-

i) It can be prevented by painting.

ii) It can be prevented by applying grease or oil.

iii) It can be prevented by galvanisation.

iv)It can be prevented by making alloy.

***Galvanisation :-**

“ The deposition of thin layer of Zinc on the surface of Iron is called galvanisation.”

***Crystallisation:-**

“The process of cooling hot concentrated solution to get the pure crystals of solute is called crystallisation.”

The aim of crystallisation is to get the pure crystals of solute from the given solution.

How can we obtain the crystals of copper sulphate?

To obtain the crystals of copper sulphate we need to go through the following steps:-

- i) Take a cupful of water in a beaker and add a few drops of dilute sulphuric acid.
- ii) Heat the water. When it starts boiling add copper sulphate powder slowly while stirring continuously.
- iii) Continue adding copper sulphate till no more powder can be dissolved.
- iv) Filter the solution . Allow it to cool.
- v) As the solution becomes cold the crystals of Copper Sulphate settle at the bottom of container.