

Chapter 01

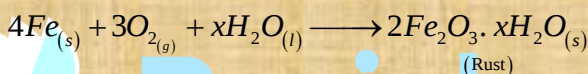
CHEMICAL REACTIONS & EQUATIONS

Effects of oxidation reactions:

Corrosion:

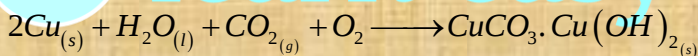
Deterioration of metals by reacting with air, moisture and chemicals present in the environment is known as corrosion.

Ex-1: Rusting of iron (Reddish brown coating formed on the surface of iron)



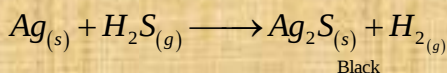
(Rust)

Ex-2: Green coloured coating formed on the surface of copper



Green coating

Ex-3: Tarnishing of silver (A – Black coloured coating formed on the surface of silver)



Black

Rancidity:

The spoilage of food when it is exposed to air for long time is known as Rancidity.

- Rancidity happens due to oxidation of oils or fats present in food.

- This can be avoided by refrigerating food or storing in air tight containers, packing food with nitrogen (or) adding anti oxidants (or) food preservatives.

