

## Hots (Higher Order Thinking Skills)

**Q. 1. An element X burns in air to form an oxide. This oxide neutralises dilute sulphuric acid to form a salt. Is X a metal or a non-metal?**

**Ans.** The oxide of element X neutralises acid, it means it is a basic oxide. So, X is a metal because the oxides of metals are basic in nature.

**Q. 2. Do you think iron is present in our body? If yes, where?**

**Ans.** About 70% of our body's iron is found in red blood cells of our blood called haemoglobin and in muscle cells called myoglobin.

**Q. 3. Discuss the role of magnesium in plants.**

**Ans.** Magnesium has important role in photosynthesis because it forms the central atom of chlorophyll. Plants begin to degrade the chlorophyll in old leaves without sufficient amounts of magnesium.