

## HOTS (Higher Order Thinking Skills)

**Q.1.** A magnesium strip is burnt. The ash obtained is dissolved in water. What kind of changes are these? Write word equations for these.

Magnesium + Oxygen  $\longrightarrow$  Magnesium oxide

Magnesium oxide + Water  $\longrightarrow$  Magnesium hydroxide

**Ans.** These are chemical changes.

**Q.2.** Why do iron articles rust faster in Mumbai than in Delhi?

**Ans.** Since Mumbai is a coastal region, the moisture content in the air is more as compared to that in Delhi. Therefore, iron articles rust faster.