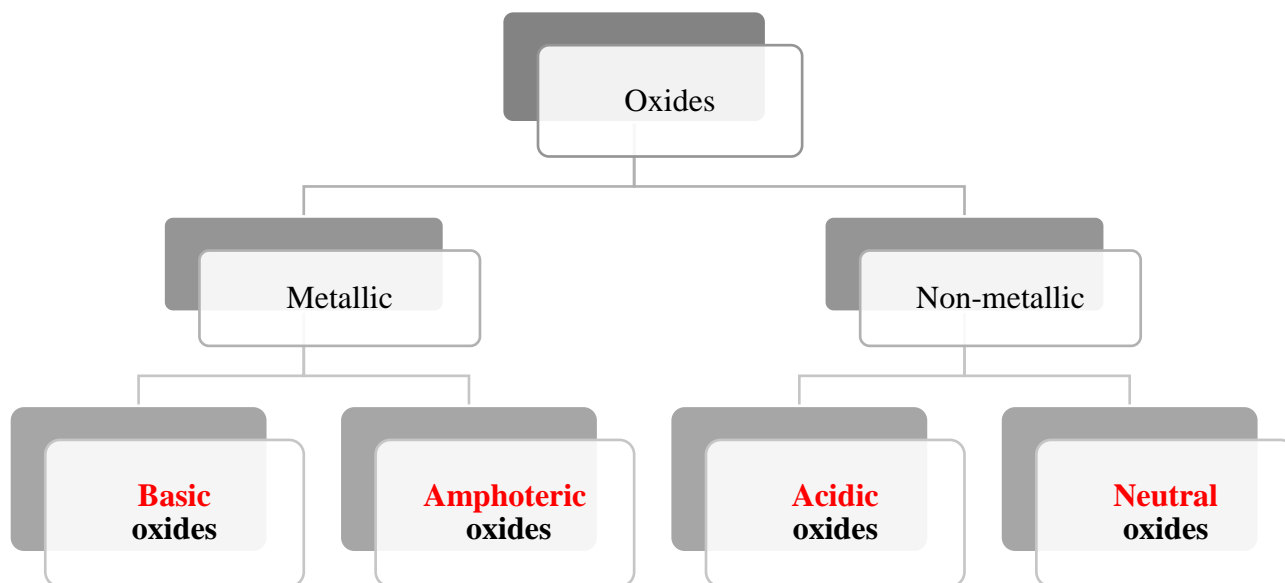


Topic 13 – Oxides

Learning outcome:

(a) classify oxides as acidic, basic, amphoteric or neutral based on metallic/non-metallic character



| Classification | | React to form salt + water | | Examples |
|----------------|------------------------------|----------------------------|---------|---|
| | | Acids | Alkalis | |
| Metallic | 1. Basic oxides | ✓ | | (a) Na_2O (b) MgO (c) CuO |
| | 2. Amphoteric oxides* | ✓ | ✓ | (a) ZnO (b) Al_2O_3 (c) PbO |
| Non-metallic | 3. Acidic oxides | | ✓ | (a) CO_2 (b) SO_2 (c) SiO_2 |
| | 4. Neutral oxides* | | | (a) CO (b) NO (c) H_2O |