

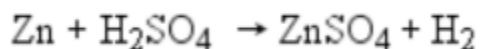
Topics: Acids, Bases and Salts

Subtopics: Chemical Properties of Acids and Bases

Chemical Properties of Acids and Bases

(a) **Reaction of Acids with Metals** : All metals above hydrogen in the metal reactivity series generally react with dilute acids to form their respective salt and liberate hydrogen.

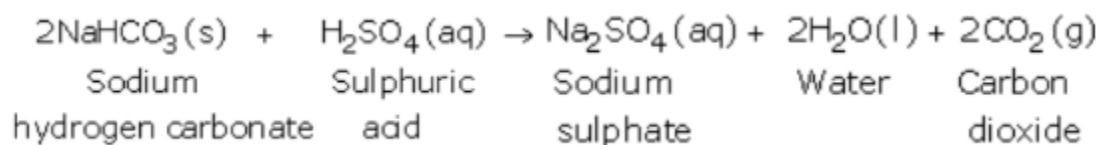
Metal + Acid \rightarrow Salt + Hydrogen



(b) Reaction of Metal Carbonates and Metal Hydrogen Carbonates with Acids?

Acids react with carbonates and hydrogen carbonates (bicarbonates) to form their respective salt, water and carbon dioxide.

Carbonate/Bicarbonate + Acid \rightarrow Salt + Water + Carbon dioxide

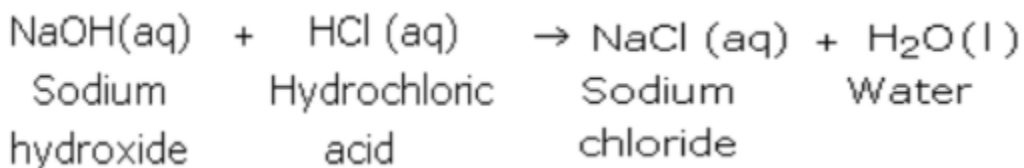


(c) Neutralization

i) The reaction between the hydrogen ions of an acid and the hydroxyl ions of a base is called neutralization. In general, a neutralization reaction can be written as:

Acid + Base \rightarrow Salt + Water

Examples:



(d) Reaction of base with metals

