

**CHAPTER 02****ACIDS AND BASES****Summary**

- Acids are sour in taste and changes blue litmus to red.
- Bases are bitter in taste, soapy to touch and changes red litmus to blue.
- Indicators used to find the solution whether it is acidic, basic or neutral based on color.
- Turmeric paper and Litmus paper are natural indicators.
- Methyl orange and phenolphthalein are chemical indicators.
- Salts form by the neutralization of acids and bases. Acid and base combine in equal proportions to form salt and water.
- Acidic salts change blue litmus to red and basic salts change red litmus to blue.
- Neutral solutions are neither acidic nor basic like sugar solution.
- Acid rains are unusually acidic by the combination of sulphuric acid, nitric acid and carbonic acid with the rainwater.
- Organic fertilizers are beneficial over chemical fertilizers because they are cost effective, safe and increase the fertility and water holding capacity of soil.
- Salts need not be neutral always they can be acidic or basic.