

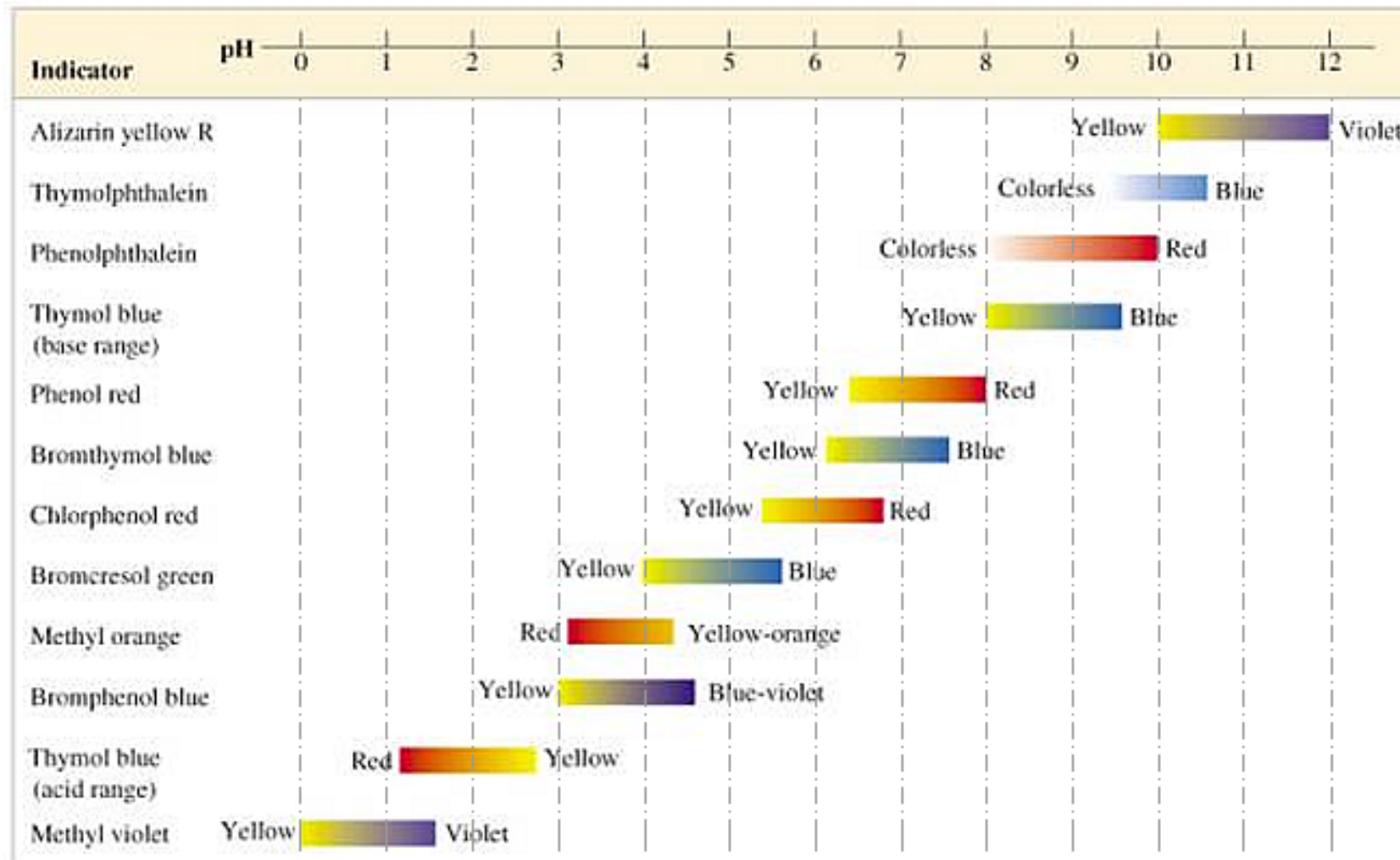


9.3.B – Indicators

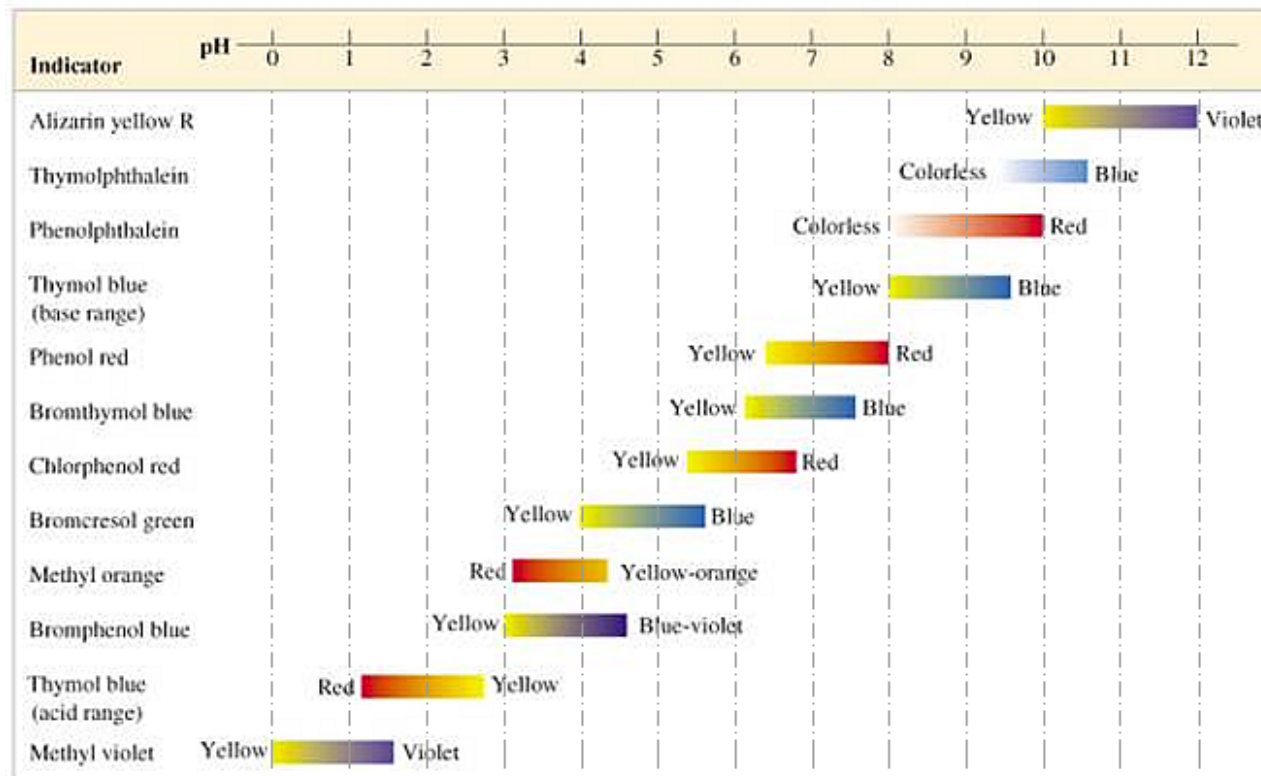
9.3 THE ACIDIC ENVIRONMENT

Year 12
Chemistry

Types of Indicators



Determining pH

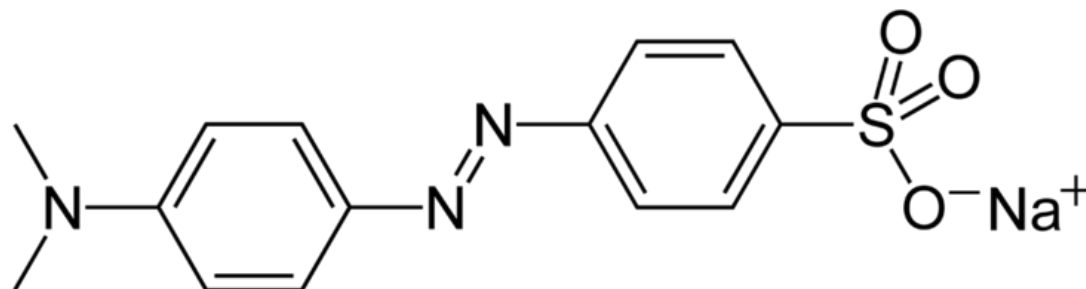


Indicator	Alizarin Yellow	Phenolphthalein	Bromothymol Blue	Methyl Orange
Colour	yellow	colourless	yellow	yellow-orange

Methyl Orange



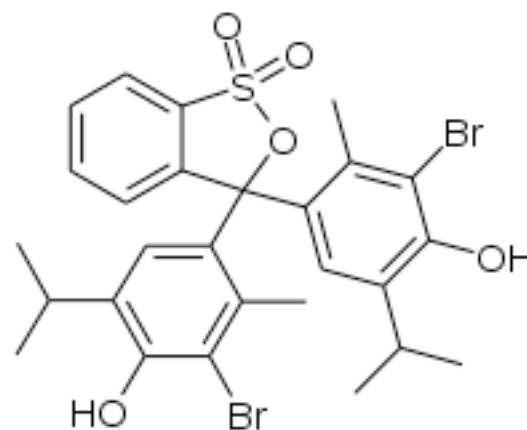
Property	Details
Colour Change	Red → Yellow
pH Range	3.1 → 4.4



Bromothymol Blue



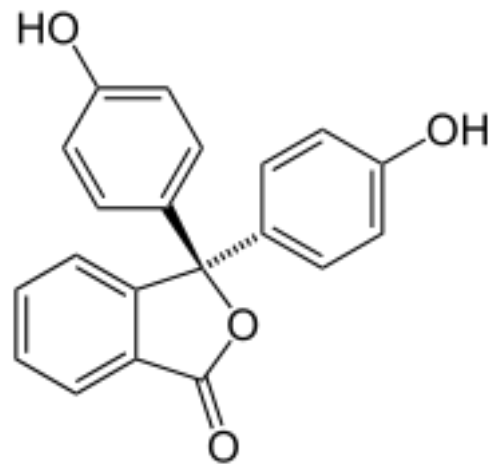
Property	Details
Colour Change	Yellow → Blue
pH Range	6.0 → 7.6



Phenolphthalein



Property	Details
Colour Change	Colourless → Pink
pH Range	8.5 → 9.5



Uses of Indicators

- Testing pH soil
- Testing pH of swimming pools
- Testing pH of fish tanks
- Titrations

