

## ICSE Class 9 Chemistry Practical Syllabus

Candidates will be asked to observe the effect of reagents and/or of heat on substances supplied to them. The exercises will be simple and may include the recognition and identification of certain gases listed below.

Gases: Hydrogen, Oxygen, Carbon dioxide, Chlorine, Hydrogen chloride, Sulphur dioxide, Hydrogen sulphide, Ammonia, Water vapour, Nitrogen dioxide. Candidates are expected to have completed the following minimum practical work. Simple experiments on

1. Action of heat on the following compounds: (a) copper carbonate, zinc carbonate (b) washing soda, copper sulphate crystals (c) zinc nitrate, copper nitrate, lead nitrate (d) ammonium chloride, iodine, ammonium dichromate Make observations, identify the products and make deductions where possible.
2. Action of dilute sulphuric acid on the following substances. (warm if necessary) (a) a metal (b) a carbonate (c) a sulphide (d) a sulphite Make observations, identify the gas evolved and make deductions
3. Apply the flame test to identify the metal in the unknown substance. (a) a sodium salt (b) a potassium salt (c) a calcium compound
4. Simple experiments based on hard water and soft water – identification of hardness – simple softening – by heating the temporary hard water, using washing soda and advantage of using detergents over soap in hard water.
5. Find out the sources of pollution of water bodies in the locality. Suggest preventive steps to control it.