

IAL CHEMISTRY

Core Practicals

There are 8 Core Practicals for AS:

CP 1	Measurement of the molar volume of a gas
CP 2	Determination of the enthalpy change of a reaction using Hess's Law
CP 3	Finding the concentration of a solution of hydrochloric acid
CP 4	Preparation of a standard solution from a solid acid and use it to find the concentration of a solution of sodium hydroxide
CP 5	Investigation of the rates of hydrolysis of some halogenoalkanes
CP 6	Chlorination of 2-methylpropan-2-ol with concentrated hydrochloric acid
CP 7	The oxidation of propan-1-ol to produce propanal and propanoic acid
CP 8	Analysis of some inorganic and organic unknowns

There are 8 further Core Practicals for A2:

CP 9	(a) Following the rate of the iodine-propanone reaction by a titrimetric method (b) investigating a 'clock reaction' (Harcourt-Esson, iodine clock)
CP 10	Finding the activation energy of a reaction
CP 11	Finding the K_a value for a weak acid
CP 12	Investigating some electrochemical cells
CP 13	Carry out redox titrations with both: (i) iron(II) ions and potassium manganate(VII) (ii) sodium thiosulfate and iodine
CP 14	The preparation of a transition metal complex
CP 15	Analysis of some inorganic and organic unknowns
CP 16	The preparation of aspirin