

Topic	Specified practical work	Date completed	Teacher / Student comments
The Periodic Table	Gravimetric analysis		
	Identification of unknown solutions by qualitative analysis		
Simple equilibria and acid-base reactions	Preparation of a soluble salt by titration		
	Standardisation of an acid solution		
	Back titration		
	Double titration		
Thermochemistry	Indirect determination of an enthalpy change of reaction		
	Determination of an enthalpy change of combustion		
Rates of reaction	Investigation of a rate of reaction by a gas collection method		
	Study of an 'iodine clock' reaction		
Halogenoalkanes	Nucleophilic substitution reaction		
Alcohols and carboxylic acids	Preparation of an ester and separation by distillation		
Redox and standard electrode potential	Construction of electrochemical cells and measurement of E_{cell}		

Redox reactions	Simple redox titration		
	Estimation of copper in copper(II) salts		
Chemical kinetics	Determination of the order of a reaction		
Equilibrium constants	Determination of an equilibrium constant		
Acid-base equilibria	Titration using a pH probe		
Aldehydes and ketones	Identification of aldehydes/ketones by their reaction with 2,4-dinitrophenylhydrazine		
Organic synthesis and analysis	Synthesis of a liquid organic product		
	Synthesis of a solid organic product		
	Two-step synthesis		
	Planning a sequence of tests to identify organic compounds		
	Paper chromatography, including two-way separation		