

GCSE Chemistry

(Specification first teaching September 2017)

Additional Practical Opportunities for Unit 3 Practical Theory Booklet B

Specification section	Practical guidance
	All aspects of planning and evaluation can be assessed in any section. This is as a minimum list of practicals.
1.3	<ul style="list-style-type: none">The physical properties of different types of substances
1.6	<ul style="list-style-type: none">The properties of elementsGroup 1 metals and their reaction with waterSublimation of iodineTest for chlorineDisplacement reactions of halogens/halide ions in solutionThe properties of Group 1 elements and compounds compared to transition metals and their compounds including colour of solid compounds and solutions
1.7	<ul style="list-style-type: none">Chemical reactions involving reacting masses, percentage yield and limiting reactantHeating solids to constant massDetermining mass of water in hydrated crystals (Prescribed C1)
1.8	<ul style="list-style-type: none">Indicators and pH meterReactions of acids including temperature changes (Prescribed C2)Tests for CO₂ and H₂ gasesSalt preparations (Prescribed C3)
1.9	<ul style="list-style-type: none">Separating techniques (filtration, crystallisation, paper chromatography, simple distillation and fractional distillation)Test for waterTests for ions (Prescribed C4)
1.10	<ul style="list-style-type: none">Determination of solubility (other practical activity)Determination of mass of solid deposited on cooling a solution
2.1	<ul style="list-style-type: none">Reactions of metals with air, water and steam and displacement reactions (Prescribed C5)Reactions with an unfamiliar metal
2.2	<ul style="list-style-type: none">Rusting of iron and its prevention (other practical activity)
2.3	<ul style="list-style-type: none">Methods for measuring rate of reactionThe effect of changing a variable on rate of reaction (Prescribed C6)
2.5	<ul style="list-style-type: none">Reactions of alkanes, alkenes, alcoholsFermentationIdentification of organic compounds (other practical activity)Reactions of carboxylic acids (Prescribed C7)
2.6	<ul style="list-style-type: none">Titrations (Prescribed C8)Volumes of gas in chemical reactions
2.7	<ul style="list-style-type: none">Electrolysis of molten ionic compoundsElectrolysis of dilute sulfuric acid
2.8	<ul style="list-style-type: none">Exothermic and endothermic reactions
2.9	<ul style="list-style-type: none">Test for ammonia gasPreparation, properties, tests and reactions for H₂, O₂ and CO₂ (Prescribed C9)Reactions of elements with oxygen and basic and acidic properties of oxides