

GCSE Double Award Science: Chemistry

(Specification first teaching September 2017)

Additional Practical Opportunities for Unit 7 Practical Theory Booklet B

| Specification section | Practical guidance |
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| | 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 including colour of solid compounds and solutions |
| 1.7 | <ul style="list-style-type: none">Chemical reactions involving reacting masses, percentage yield and limiting reactant |
| 1.8 | <ul style="list-style-type: none">Indicators and pH meterReactions of acids including temperature changes (<i>Prescribed C1</i>)Tests for CO₂ and H₂ gasesColour of Group 2, aluminium and zinc salts and solutions |
| 1.9 | <ul style="list-style-type: none">Separating techniques (filtration, crystallisation, paper chromatography, simple distillation and fractional distillation)Test for waterFlame tests (<i>Prescribed C2</i>) |
| 2.1 | <ul style="list-style-type: none">Reactions of metals with air, water and steam and displacement reactions (<i>Prescribed C3</i>)Reactions of unfamiliar elements |
| 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 (<i>Prescribed C4</i>) including particle size (other practical activity) |
| 2.5 | <ul style="list-style-type: none">Reactions of alkanes, alkenes, alcoholsDetermining the presence of a C=C using bromine waterFermentationIdentification of organic compoundsReactions of carboxylic acids |
| 2.6 | <ul style="list-style-type: none">Heating solids to constant massDetermining mass of water in hydrated crystals (<i>Prescribed C5</i>) |
| 2.7 | <ul style="list-style-type: none">Electrolysis of molten ionic compounds |
| 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 (<i>Prescribed C6</i>)Reactions of elements with oxygen and basic and acidic properties of oxides |