



SAMPLE ASSESSMENT OUTLINE

CHEMISTRY
ATAR YEAR 11

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Sample assessment outline
Chemistry – ATAR Year 11
Unit 1 and Unit 2

Assessment type (from syllabus)	Assessment type weighting (from syllabus)	Assessment task weighting	When	Assessment task
Science inquiry/ Practical/ Investigation	25%	5%	Semester 1 Week 3	Task 1: Practical – Report on conduct of flame tests and observations of emission spectra and respond to laboratory quiz questions
		5%	Semester 1 Week 9	Task 3: Investigation – Design and conduct of experiment to determine any effect of the anion (or cation) on the enthalpy changes in dissolving of ionic compounds (enthalpy of solution)
		5%	Semester 1 Week 11	Task 5: Data analysis – Graph and analyse data on melting points of hydrocarbons to identify and explain trends
		5%	Semester 2 Week 10	Task 9: Practical test – Design and carry out tests to identify unknown white powders (flame tests, solubility rules, reactions with acid etc.)
		5%	Semester 2 Week 13	Task 12: Investigation – Design and conduct an investigation to compare the rates of reaction of different acids with metal carbonates
Extended response	10%	5%	Semester 1 Week 14	Task 6: Comparing energy and CO ₂ output for combustion of fossil fuels and biofuels
		5%	Semester 2 Week 10	Task 10: Sources of acid rain and its effects on natural and built environments
Test	15%	4%	Semester 1 Week 6	Task 2: Properties and structure of atoms and materials – atomic structure, bond formation, trends in the PT, flame tests, isotopes, relative atomic mass and mass spectroscopy, pure substances, mixtures, elements, compounds, nanomaterials, ionic, metallic and covalent bonding, molecular formulae and percentage composition
		2%	Semester 1 Week 10	Task 4: Chemical reactions: reactants, products and energy change
		2%	Semester 1 Week 14	Task 7: Properties and structure of materials – hydrocarbons, alkanes, alkenes, benzene, IUPAC nomenclature, reactions of alkanes and alkenes
		5%	Semester 2 Week 5	Task 11: Intermolecular forces and gases and Aqueous solutions and acidity
		2%	Semester 2 Week 14	Task 13: Rates of chemical reactions

Assessment type (from syllabus)	Assessment type weighting (from syllabus)	Assessment task weighting	When	Assessment task
Examination	50%	20%	Semester 1 Week 16	Task 8: Semester 1 examination – Covers Unit 1 content; based on the Year 12 examination design brief 2 hours – Section One: 20 multiple-choice questions (25% of the total examination), Section Two: 6–8 short answer questions (35% of the total examination), and Section Three: 3–4 extended answer questions (40% of the total examination)
		30%	Semester 2 Week 16	Task 14: Semester 2 examination – Covers Units 1 and 2 content with approximately 25% Unit 1 and 75% Unit 2; based on the Year 12 examination design brief 2.5 hours – Section One: 20 multiple-choice questions (25% of the total examination), Section Two: 8–10 short answer questions (35% of the total examination), and Section Three: 4–5 extended answer questions (40% of the total examination)
Total	100%	100%		