



SAMPLE ASSESSMENT OUTLINE

CHEMISTRY
ATAR YEAR 12

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Sample assessment outline

Chemistry – ATAR Year 12

Unit 3 and Unit 4

Assessment type	Assessment type weighting	Assessment task weighting	When	Assessment task
Science inquiry/ Practical/ Investigation	20%	5%	Semester 1 Week 3	Task 1: Investigation – Design and conduct of experiment to determine effect of catalysts on rate of reaction
		3%	Semester 1 Week 8	Task 3: Practical test – Use an acid-base titration to determine the base content in a commercial cleaner
		6%	Semester 2 Week 2	Task 8: Analytical Investigation – Use a titration of acidified potassium permanganate solution with a range of plant and animal fats to determine their degree of unsaturation
		6%	Semester 2 Week 3	Task 9: Analytical Investigation – Design and conduct of an investigation to identify functional groups in unknown organic compounds
Extended response	10%	5%	Semester 1 Week 11	Task 5: Research the chemical principles in the use of electrochemical cells/fuel cells in cars
		5%	Semester 2 Week 11	Task 11: Read information provided on ammonia production by the steam reforming and Haber processes, and from chicken feathers, conduct further research to answer questions
Test	20%	4%	Semester 1 Week 4	Task 2: Chemical equilibrium systems topic test
		4%	Semester 1 Week 9	Task 4: Acids and bases topic test
		4%	Semester 1 Week 14	Task 6: Oxidation and reduction topic test
		4%	Semester 2 Week 6	Task 10: Properties and structure of organic materials topic test
		4%	Semester 2 Week 14	Task 12: Chemical synthesis topic test
Examination	50%	20%	Examination week	Task 7: Semester 1 examination
		30%	Examination week	Task 13: Semester 2 examination
Total	100%	100%		