

2025 - Section 1

Question	Area of course	Question type	Grade A
1	Periodic Table and atoms	drawing conclusions and giving explanations	
2	Periodic Table and atoms	applying knowledge to new situations, interpreting, solving problems	
3	Chemical formulae	applying knowledge to new situations, interpreting, solving problems	
4	Ionic compounds	applying knowledge to new situations, interpreting, solving problems	
5	Ionic compounds	drawing conclusions and giving explanations	1
6	pH	drawing conclusions and giving explanations	
7	pH	applying knowledge to new situations, interpreting, solving problems	
8	Percentage composition	applying knowledge to new situations, interpreting, solving problems	
9	Chemical formulae	applying knowledge to new situations, interpreting, solving problems	
10	Cycloalkanes	drawing conclusions and giving explanations	
11	Systematic carbon chemistry	processing information (using calculations and units)	
12	Systematic carbon chemistry	processing information (using calculations and units)	1
13	Carboxylic acids	processing information (using calculations and units)	
14	Systematic carbon chemistry	applying knowledge to new situations, interpreting, solving problems	1
15	Alkenes	applying knowledge to new situations, interpreting, solving problems	1
16	Energy from fuels	processing information (using calculations and units)	
17	Metallic bonding	knowledge and understanding - making statements	
18	Electrochemical cells	drawing conclusions and giving explanations	
19	Redox	applying knowledge to new situations, interpreting, solving problems	1
20	Haber and Ostwald processes	knowledge and understanding - making statements	
21	Nuclear equations	knowledge and understanding - making statements	
22	General practical techniques	applying knowledge to new situations, interpreting, solving problems	
23	Analytical methods	processing information (using calculations and units)	
24	Analytical methods	processing information (using calculations and units)	
25	Common chemical apparatus	applying knowledge to new situations, interpreting, solving problems	

2025 – Section 2

Question	Area of course	Question type	Grade A
1(a)(i)	Analytical methods	applying knowledge to new situations, interpreting, solving problems	
1(a)(ii)	Reporting experimental work	suggesting improvements to experimental procedures	
1(a)(iii)	General practical techniques	applying knowledge to new situations, interpreting, solving problems	
1(b)(i)	Rates of reaction	applying knowledge to new situations, interpreting, solving problems	
1(b)(ii)	Rates of reaction	applying knowledge to new situations, interpreting, solving problems	
1(b)(iii)	Rates of reaction	making predictions and generalisations	1
2(a)	Covalent bonding	applying knowledge to new situations, interpreting, solving problems	
2(b)	Periodic Table and atoms	applying knowledge to new situations, interpreting, solving problems	
2(c)	Non-specific	drawing conclusions and giving explanations	
2(d)(i)	Covalent bonding	knowledge and understanding - making statements	
2(d)(ii)	Covalent bonding	knowledge and understanding - making statements	
3(a)(i)	Representation of the structure of monomers and polymers	applying knowledge to new situations, interpreting, solving problems	
3(a)(ii)	Covalent bonding	applying knowledge to new situations, interpreting, solving problems	
3(b)(i)	Reporting experimental work	presenting information appropriately in a variety of forms	
3(b)(ii)	Non-specific	drawing conclusions and giving explanations	
4(a)	Carboxylic acids	applying knowledge to new situations, interpreting, solving problems	
4(b)(i)	Alkenes	knowledge and understanding - making statements	
4(b)(ii)	Rates of reaction	knowledge and understanding - making statements	
4(c)	Non-specific	Non-specific	1
4(d)	Non-specific	Non-specific	
5(a)	Energy from fuels	knowledge and understanding - making statements	
5(b)(i)	Alkanes	applying knowledge to new situations, interpreting, solving problems	
5(b)(ii)	Systematic carbon chemistry	applying knowledge to new situations, interpreting, solving problems	
5(c)(i)	Alkanes	making predictions and generalisations	1
5(c)(ii)	Alkanes	making predictions and generalisations	
5(d)(i)	Alcohols	drawing conclusions and giving explanations	1
5(d)(ii)	Alcohols	knowledge and understanding- descriptions and explanations	1
6	Commercial production of fertilisers/ Haber and Ostwald processes	knowledge and understanding- descriptions and explanations	2

Question	Area of course	Question type	Grade A
7(a)	Radiation	knowledge and understanding - making statements	
7(b)(i)	Chemical formulae	applying knowledge to new situations, interpreting, solving problems	
7(b)(ii)	Half-life	applying knowledge to new situations, interpreting, solving problems	
7(c)(i)	Nuclear equations	applying knowledge to new situations, interpreting, solving problems	
7(c)(ii)	Half-life	applying knowledge to new situations, interpreting, solving problems	
7(d)(i)	Reporting experimental work	presenting information appropriately in a variety of forms	
7(d)(ii)	Reporting experimental work	presenting information appropriately in a variety of forms	
8(a)	Non-specific	selecting information	
8(b)	Periodic Table and atoms	applying knowledge to new situations, interpreting, solving problems	
8(c)	Calculations involving the mole and balanced equations	processing information (using calculations and units)	1
8(d)	Periodic Table and atoms	applying knowledge to new situations, interpreting, solving problems	
8(e)	Chemical formulae	processing information (using calculations and units)	
9(a)(i)	Systematic carbon chemistry	knowledge and understanding - making statements	
9(a)(ii)	Alcohols	applying knowledge to new situations, interpreting, solving problems	1
9(b)	Calculations involving the mole and balanced equations	applying knowledge to new situations, interpreting, solving problems	1
9(c)(i)	Reporting experimental work	suggesting improvements to experimental procedures	
9(c)(ii)(A)	Reporting experimental work	processing information (using calculations and units)	
9(c)(ii)(B)	Energy from fuels	applying knowledge to new situations, interpreting, solving problems	1
10(a)(i)	Calculations involving the mole and balanced equations	knowledge and understanding - making statements	
10(a)(ii)(A)	Addition polymerisation	applying knowledge to new situations, interpreting, solving problems	
10(a)(ii)(B)	Addition polymerisation	applying knowledge to new situations, interpreting, solving problems	1
10(b)(i)	Analytical methods	knowledge and understanding - making statements	
10(b)(ii)	Analytical methods	knowledge and understanding - making statements	
10(b)(iii)	Neutralisation reactions	applying knowledge to new situations, interpreting, solving problems	2

Question	Area of course	Question type	Grade A
11(a)	Neutralisation reactions	applying knowledge to new situations, interpreting, solving problems	
11(b)	Calculations involving the mole and balanced equations	applying knowledge to new situations, interpreting, solving problems	1
11(c)	Neutralisation reactions	applying knowledge to new situations, interpreting, solving problems	
11(d)(i)	Energy from fuels	knowledge and understanding - making statements	
11(d)(ii)(A)	Non-specific	processing information (using calculations and units)	
11(d)(ii)(B)	Non-specific	drawing conclusions and giving explanations	
12	Reactions of metals/ Extraction of metals/ Electrochemical cells	knowledge and understanding- descriptions and explanations	2