

Revision (5–6 weeks from exam)

Session	Topic	Subtopic	Important lessons	Done
1	Equilibrium and Acid Reactions	Static and Dynamic Equilibrium		<input type="radio"/>
		Factors That Affect Equilibrium	Collision Theory and Le Chatelier's Principle (Part 1 and Part 2)	<input type="radio"/>
		Calculating the Equilibrium Constant	Making Predictions with the Equilibrium Constant, Temperature and the Equilibrium Constant, Using RICE Tables and Equilibrium Constants	<input type="radio"/>
2		Solution Equilibria	Investigating Solubility Rules, Predicting the Formation of Precipitates	<input type="radio"/>
	Acid/Base Reactions	Properties of Acids and Bases		<input type="radio"/>
		Using Brønsted–Lowry Theory	Strength of Acids and Bases	<input type="radio"/>
3		Calculations	Dilution pH Calculations, Neutralisation pH Calculations, Acid Dissociation Constant Calculations	<input type="radio"/>
		Quantitative Analysis	Titration Calculations, Titration and pH Curves, Conductivity Curves	<input type="radio"/>
4		Buffers	Buffers	<input type="radio"/>
	Organic Chemistry	Nomenclature	Drawing Compounds From Their Names, Structural Isomerism	<input type="radio"/>
		Hydrocarbons		<input type="radio"/>
5		Products of Reactions Involving Hydrocarbons	Markovnikov's Rule for Addition Reactions	<input type="radio"/>
		Alcohols	Enthalpy of Combustion Practical, Comparing Fossil Fuels and Biofuels	<input type="radio"/>
6		Reactions of Organic Acids and Bases	Boiling Point and Solubility of Organic Compounds, Formation of Esters, Identifying and Naming Esters, Cleaning Action of Soap and Detergents,	<input type="radio"/>
		Polymers	Addition Polymers Properties and Uses, Condensation Polymers Properties and Uses	<input type="radio"/>
7	Applying Chemical Ideas	Analysis of Organic Substances	Test for Alkenes, Applying Infrared Spectroscopy, Interpreting Proton NMR Spectroscopy, Interpreting Carbon-13 NMR Spectra, Mass Spectrometry: Structure of Organic Molecules	<input type="radio"/>
8		Analysis of Inorganic Substances	Interpreting Precipitation Tests: Exam Application, Atomic Absorption Spectroscopy	<input type="radio"/>
		Chemical Synthesis and Design	Optimising Yield and Rate	<input type="radio"/>

Practice (3–4 weeks from exam)

Session	Topic	Subtopic	Confidence	Done
1	Equilibrium and Acid Reactions	Static and Dynamic Equilibrium	○ ○ ○ ○ ○	<input type="radio"/>
		Factors That Affect Equilibrium	○ ○ ○ ○ ○	<input type="radio"/>
		Calculating the Equilibrium Constant	○ ○ ○ ○ ○	<input type="radio"/>
2	Acid/Base Reactions	Solution Equilibria	○ ○ ○ ○ ○	<input type="radio"/>
		Properties of Acids and Bases	○ ○ ○ ○ ○	<input type="radio"/>
		Using Brønsted–Lowry Theory	○ ○ ○ ○ ○	<input type="radio"/>
3		Calculations	○ ○ ○ ○ ○	<input type="radio"/>
		Quantitative Analysis	○ ○ ○ ○ ○	<input type="radio"/>
4	Organic Chemistry	Buffers	○ ○ ○ ○ ○	<input type="radio"/>
		Nomenclature	○ ○ ○ ○ ○	<input type="radio"/>
		Hydrocarbons	○ ○ ○ ○ ○	<input type="radio"/>
5		Products of Reactions Involving Hydrocarbons	○ ○ ○ ○ ○	<input type="radio"/>
		Alcohols	○ ○ ○ ○ ○	<input type="radio"/>
6		Reactions of Organic Acids and Bases	○ ○ ○ ○ ○	<input type="radio"/>
		Polymers	○ ○ ○ ○ ○	<input type="radio"/>
7	Applying Chemical Ideas	Analysis of Organic Substances	○ ○ ○ ○ ○	<input type="radio"/>
8		Analysis of Inorganic Substances	○ ○ ○ ○ ○	<input type="radio"/>
		Chemical Synthesis and Design	○ ○ ○ ○ ○	<input type="radio"/>