

Edexcel IGCSE Chemistry - Specification Points to Learn for 2022 Exams

Key

YES =	This will be directly assessed in the paper.
Maybe =	This might be assessed in short answer questions or synoptic questions (questions which draw together multiple topics).
no =	This will not be assessed in the paper.

PPQs = Past paper questions

1 Principles of Chemistry

(a) States of matter

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
1.1	YES	no			
1.2	YES	no			
1.3	YES	no			
1.4	YES	no			
1.5C	Maybe	no			
1.6C	Maybe	no			
1.7C	Maybe	no			

(b) Elements, compounds and mixtures

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
1.8	Maybe	no			
1.9	Maybe	no			
1.10	Maybe	no			
1.11	Maybe	no			
1.12	Maybe	no			

1.13	Maybe	no			
------	-------	----	--	--	--

(c) Atomic structure

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
1.14	YES	no			
1.15	YES	no			
1.16	YES	no			
1.17	YES	no			

(d) The Periodic Table

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
1.18	Maybe	Maybe			
1.19	Maybe	Maybe			
1.20	Maybe	Maybe			
1.21	Maybe	Maybe			
1.22	Maybe	Maybe			
1.23	Maybe	Maybe			
1.24	Maybe	Maybe			

(e) Chemical formulae, equations and calculations

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
1.25	YES	YES			
1.26	YES	YES			
1.27	YES	YES			
1.28	YES	YES			
1.29	YES	YES			
1.30	YES	YES			
1.31	YES	YES			

1.32	YES	YES			
1.33	YES	YES			
1.34C	Maybe	YES			
1.35C	Maybe	YES			
1.36	YES	YES			

(f) Ionic bonding

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
1.37	Maybe	Maybe			
1.38	Maybe	Maybe			
1.39	Maybe	Maybe			
1.40	Maybe	Maybe			
1.41	Maybe	Maybe			
1.42	Maybe	Maybe			
1.43	Maybe	Maybe			

(g) Covalent bonding

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
1.44	YES	no			
1.45	YES	no			
1.46	YES	no			
1.47	YES	no			
1.48	YES	no			
1.49	YES	no			
1.50	YES	no			
1.51	YES	no			

(h) Metallic bonding

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
1.52C	Maybe	Maybe			
1.53C	Maybe	Maybe			
1.54C	Maybe	Maybe			

(i) Electrolysis

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
1.55C	Maybe	YES			
1.56C	Maybe	YES			
1.57C	Maybe	YES			
1.58C	Maybe	YES			
1.59C	Maybe	YES			
1.60C	Maybe	YES			

2 Inorganic Chemistry

(a) Group 1 (alkali metals) - lithium, sodium and potassium

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
2.1	no	no	NOT ASSESSED ON EITHER PAPER		
2.2	no	no			
2.3	no	no			
2.4C	no	no			

(b) Group 7 (halogens) - chlorine, bromine and iodine

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
2.5	no	YES			
2.6	no	YES			
2.7	no	YES			

2.8C	no	YES			
------	----	-----	--	--	--

(c) Gases in the atmosphere

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
2.9	YES	YES			
2.10	YES	YES			
2.11	YES	YES			
2.12	YES	YES			
2.13	YES	YES			
2.14	YES	YES			

(d) Reactivity series

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
2.15	Maybe	no			
2.16	Maybe	no			
2.17	Maybe	no			
2.18	Maybe	no			
2.19	Maybe	no			
2.20	Maybe	no			
2.21	Maybe	no			

(e) Extraction and uses of metals

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
2.22C	Maybe	YES			
2.23C	Maybe	YES			
2.24C	Maybe	YES			
2.25C	Maybe	YES			
2.26C	Maybe	YES			

2.27C	Maybe	YES			
-------	-------	-----	--	--	--

(f) Acids, alkalis and titrations

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
2.28	Maybe	YES			
2.29	Maybe	YES			
2.30	Maybe	YES			
2.31	Maybe	YES			
2.32	Maybe	YES			
2.33C	Maybe	YES			

(g) Acids, bases and salt preparations

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
2.34	Maybe	Maybe			
2.35	Maybe	Maybe			
2.36	Maybe	Maybe			
2.37	Maybe	Maybe			
2.38	Maybe	Maybe			
2.39	Maybe	Maybe			
2.40C	Maybe	Maybe			
2.41C	Maybe	Maybe			
2.42	Maybe	Maybe			
2.43C	Maybe	Maybe			

(h) Chemical tests

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
2.44	YES	YES			
2.45	YES	YES			

2.46	YES	YES			
2.47	YES	YES			
2.48	YES	YES			
2.49	YES	YES			
2.50	YES	YES			

3 Physical Chemistry

(a) Energetics

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
3.1	no	YES			
3.2	no	YES			
3.3	no	YES			
3.4	no	YES			
3.5C	no	YES			
3.6C	no	YES			
3.7C	no	YES			
3.8	no	YES			

(b) Rates of reaction

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
3.9	YES	no			
3.10	YES	no			
3.11	YES	no			
3.12	YES	no			
3.13	YES	no			
3.14C	Maybe	no			
3.15	Maybe	no			

3.16	Maybe	no			
------	-------	----	--	--	--

(c) Reversible reactions and equilibria

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
3.17	no	Maybe			
3.18	no	Maybe			
3.19C	no	Maybe			
3.20C	no	Maybe			
3.21C	no	Maybe			
3.22C	no	Maybe			

4 Organic Chemistry

(a) Introduction

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
4.1	Maybe	no			
4.2	Maybe	no			
4.3	Maybe	no			
4.4	Maybe	no			
4.5	Maybe	no			
4.6	Maybe	no			

(b) Crude oil

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
4.7	YES	Maybe			
4.8	YES	Maybe			
4.9	YES	Maybe			
4.10	YES	Maybe			

4.11	YES	Maybe			
4.12	YES	Maybe			
4.13	YES	Maybe			
4.14	YES	Maybe			
4.15	YES	Maybe			
4.16	YES	Maybe			
4.17	YES	Maybe			
4.18	YES	Maybe			

(c) Alkanes

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
4.19	YES	Maybe			
4.20	YES	Maybe			
4.21	YES	Maybe			
4.22	YES	Maybe			

(d) Alkenes

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
4.23	Maybe	no			
4.24	Maybe	no			
4.25	Maybe	no			
4.26	Maybe	no			
4.27	Maybe	no			
4.28	Maybe	no			

(e) Alcohols

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
4.29C	Maybe	no			

4.30C	Maybe	no			
4.31C	Maybe	no			
4.32C	Maybe	no			
4.33C	Maybe	no			

(f) Carboxylic acids

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
4.34C	Maybe	YES			
4.35C	Maybe	YES			
4.36C	Maybe	YES			
4.37C	Maybe	YES			

(g) Esters

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
4.38C	Maybe	Maybe			
4.39C	Maybe	Maybe			
4.40C	Maybe	Maybe			
4.41C	Maybe	Maybe			
4.42C	Maybe	Maybe			
4.43C	Maybe	Maybe			

(h) Synthetic polymers

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
4.44	no	YES			
4.45	no	YES			
4.46	no	YES			
4.47	no	YES			
4.48C	no	YES			

4.49C	no	YES			
4.50C	no	YES			