



GCSE
CHEMISTRY
3410QS

Summer 2023 examinations

Unit 1	Chemical Substances, Reactions and Essential Resources	Friday, 16 June 2023
Unit 2	Chemical Bonding, Application of Chemical Reactions and Organic Chemistry	Monday, 22 May 2023

Advance Information

General information for students and teachers

This advance information provides the focus of the content of the Summer 2023 examination papers.

It does not apply to any other examination series.

It is intended to support revision.

It may be used at any time from the date of release.

It must not be taken into the examination.

Released: 06 February 2023

Subject information for students and teachers

It is important that this advance information is read with reference to the detailed subject content in the specification, which is available [here](#).

This advance information covers Units 1 and 2 only. There is no advance information for Unit 3.

The format and structure of the examination papers remains unchanged.

The following areas of content are suggested as key areas of focus for revision and final preparation, in relation to the Summer 2023 examinations. Please note, while advance information is intended to help guide and prioritise revision, to support exam performance and progression, revision plans should still take account of everything that has been taught.

For each paper the list shows the main topic areas assessed in **rank order**, with those carrying the **highest mark allocations at the top of each list, so rank number 1 has the highest mark allocation**.

The aim should still be to cover all specification content in teaching and learning.

Unit 1 – Foundation tier (3410U10-1)

Rank	Topic areas		Including practical work
1	1.2	Atomic structure and the Periodic Table	
2	1.1	The nature of substances and chemical reactions	✓
=3	1.3	Water	✓
	1.6	Limestone	✓
5	1.5	Rate of chemical change	✓
6	1.4	The ever-changing Earth	

Unit 1 – Higher tier (3410UA0-1)

Rank	Topic areas		Including practical work
1	1.2	Atomic structure and the Periodic Table	✓
2	1.1	The nature of substances and chemical reactions	
3	1.3	Water	✓
4	1.5	Rate of chemical change	✓
5	1.4	The ever-changing Earth	
6	1.6	Limestone	✓

Unit 2 – Foundation tier (3410U20-1)

As always, this unit will include questions relating to formulae and equations and calculations based upon them (specified in Unit 1.1). Chemical tests specified in Unit 1 may also be assessed.

Rank	Topic areas		Including practical work
1	2.5	Crude oil, fuels and organic chemistry	✓
2	2.3	Metals and their extraction	
=3	2.1	Bonding, structure and properties	
	2.2	Acids, bases and salts	✓
=5	2.4	Chemical reactions and energy	
	2.6	Reversible reactions, industrial processes and important chemicals	

Unit 2 – Higher tier (3410UB0-1)

As always, this unit will include questions relating to formulae and equations and calculations based upon them (specified in Unit 1.1). Chemical tests specified in Unit 1 may also be assessed.

Rank	Topic areas		Including practical work
1	2.5	Crude oil, fuels and organic chemistry	✓
2	2.2	Acids, bases and salts	✓
3	2.3	Metals and their extraction	✓
4	2.1	Bonding, structure and properties	
5	2.4	Chemical reactions and energy	
6	2.6	Reversible reactions, industrial processes and important chemicals	

End of advance information