

# Advance Information for Summer 2022

## A Level

## Chemistry A

## H432

We have produced this advance information to help support all teachers and students with revision for the Summer 2022 exams.

### Information

- This notice covers all examined components.
- This notice does **not** cover the practical endorsement component.
- Assessment of practical skills and maths skills will occur throughout the papers.
- The format/structure of the papers remains unchanged.
- There are no restrictions on who can use this notice.
- You are **not** permitted to take this notice into the exam.
- This document has **2** pages.

### Advice

- For each paper the list shows the major focus of the content of the exam.
- Students are advised that content not listed may appear on the question paper.
- The aim should still be to cover all specification content in teaching and learning.
- Students and teachers can discuss this advance information.
- The information lists topic areas in rank order, with the areas carrying the highest mark allocations at the top of each list.
- Students' responses to individual questions may draw upon other areas of specification content where relevant, and credit will be given for this where appropriate.

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## H432 GCE A Level Chemistry A

### H432/01 Periodic table, elements and physical chemistry:

- 2.1.3 Amount of substance (includes practical skills)
- 5.3.1 Transition elements
- 5.1.3 Acids, bases and buffers (includes practical skills)
- 3.1.1 Periodicity
- 3.2.1 Enthalpy changes (includes practical skills)
- 5.1.1 How fast?
- 5.2.2 Enthalpy and entropy
- 2.1.4 Acids (includes practical skills)

### H432/02 Synthesis and analytical techniques:

- 2.1.3 Amount of substance (includes practical skills)
- 4.1.3 Alkenes
- 6.3.2 Spectroscopy
- 6.1.1 Aromatic compounds
- 6.2.5 Organic synthesis (includes practical skills)
- 6.1.2 Carbonyl compounds (includes practical skills)
- 4.1.1 Basic concepts of organic chemistry
- 4.2.4 Analytical techniques
- 6.2.3 Polyesters and polyamides

### H432/03 Unified chemistry:

- 2.1.3 Amount of substance (includes practical skills)
- 5.2.3 Redox and electrode potentials (includes practical skills)
- 3.2.3 Chemical equilibrium (includes practical skills)
- 4.1.1 Basic concepts of organic chemistry
- 4.2.3 Organic synthesis (includes practical skills)
- 5.1.3 Acids, bases and buffers
- 5.2.1 Lattice enthalpy (includes practical skills)
- 6.2.2 Amino acids, amides and chirality
- 6.3.2 Spectroscopy

## END OF ADVANCE INFORMATION

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