

Qualification: AQA A2 Chemistry (7405)

What will be assessed in 2022?

For each paper the list shows the major focus of the content of the examination; the topic areas are listed in rank order, with the areas carrying the highest mark allocations at the top of each list.

Paper 1 7405/1 Inorganic and Physical Chemistry

- 3.1.12 Acids and bases
- 3.1.2 Amount of substance
- 3.2.5 Transition metals
- 3.2.3 Group 7(17), the halogens
- 3.1.1 Atomic structure
- 3.1.3 Bonding
- 3.1.10 Equilibrium constant K_p for homogeneous systems

Paper 2 7405/2 Organic and Physical Chemistry

- 3.3.4 Alkenes (including Required Practical 10)
- 3.1.2 Amount of substance
- 3.3.13 Amino acids, proteins and DNA
- 3.1.6 Chemical equilibria, Le Chatelier's principle and K_c
- 3.1.9 Rate equations
- 3.3.10 Aromatic chemistry
- 3.3.1 Introduction to organic chemistry

Paper 3 7405/3

(This is the synoptic paper, so these topics may be assessed in combination.)

- 3.1.8 Thermodynamics (including Required Practical 2)
- 3.3.1 Introduction to organic chemistry
- 3.2.5 Transition metals
- 3.3.3 Halogenoalkanes
- 3.1.9 Rate equations (including Required Practical 7)
- 3.1.2 Amount of substance (including Required Practical 4)
- 3.1.11 Electrode potentials and electrochemical cells

What can also be assessed in 2022?

- Topics not explicitly given in the list on the left may appear in multiple-choice items, low tariff questions, or via synopticity.
- Assessment of practical skills (section 8.3 of the specification) and maths skills (section 6 of the specification) occurs throughout the two papers.

Additional support provided by the exam board for the 2022 year only? None

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