

**GENERAL CERTIFICATE OF SECONDARY EDUCATION
 TWENTY-FIRST CENTURY SCIENCE
 CHEMISTRY A**

A173/02

(Unit A173: Module C1 (Higher Tier))

Duration: 1 hour

**Candidates should use the question paper.
 A calculator may also be used for this paper.**

OCR Supplied Materials:
 None

Other Materials Required:

- Pencil
- Ruler (centimetre)

**Candidate
 Forename**

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INSTRUCTIONS TO CANDIDATES

- Write your name clearly in capital letters, your Centre Number and Candidate Number in the boxes above.
- Use black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully and make sure that you know what you have to do before starting your answer.
- Answer **all** the questions.
- Write your answer to each question in the space provided, however additional paper may be used if necessary.

INFORMATION FOR CANDIDATES

- The quality of written communication is assessed in questions marked with a pencil (1–7).
- The Marking Table is printed on the back page.
- The number of marks for each question (given in brackets) is at the end of the question or part question.
- The total number of marks for this paper is **80**.
- This document consists of **20** pages. Any blank pages are indicated.

For Examiner's Use

	Mark	Marks
1	15	
2	15	
3	15	
4	15	
5	15	
6	10	
7	10	
TOTAL	80	

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R Bogdan

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the light blue bar.

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