

A-Level Chemistry - Year 2

OCR Chemistry A - Paper 1 June - 2019

16 Sir Humphrey Davy discovered several elements including sodium, potassium, magnesium, calcium and strontium.

(a) Explain which block in the Periodic Table sodium and magnesium belong to.

(1)

(b) A sample of magnesium, $A_r = 24.305$, is found to consist of three isotopes. The accurate relative isotopic masses and % abundances of two of the isotopes are shown in the table.

Isotope	Relative isotopic mass	% abundance
^{24}Mg	23.985	78.99%
^{26}Mg	24.986	10.00%

Determine the relative isotopic mass of the third isotope of magnesium in the sample.

Give your answer to 5 significant figures.

relative isotopic mass = _____ (2)

Question - 16

OCR

International Centre for

Tuesday 4 June 2019 – Afternoon

A Level Chemistry A

H43201 Periodic table, elements and physical chemistry

Time allowed: 1 hour 15 minutes

We need from:

1. An answer sheet (OCR form 1) and a pencil.

We also need:

1. A ruler and a calculator.



Please write clearly in block capitals. Do not write in the brackets.

Centre number

Candidate number

First name(s)

Last name

INSTRUCTIONS

- 1. Use black ink. You may use an HB pencil for graphs and diagrams.
- 2. Answer all the questions.
- 3. Where appropriate, your answers should be supported with working. Marks may be given for a correct method even if the answer is incorrect.
- 4. Write your answer to each question in the space provided. If additional space is required, use the back page(s) at the end of this booklet. The question numbers must be clearly shown.

INFORMATION

- 1. The total mark for this paper is 100.
- 2. The marks for each question are shown in brackets ().
- 3. Quality of extended responses will be assessed in questions marked with an asterisk (*).
- 4. This document consists of 32 pages.

Ocr Chemistry F321 Past Papers June 2013

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OCR(A) AS Chemistry Student Unit Guide: Unit F321 Atoms, Bonds and Groups Mike Smith, 2012-01-13 AS

Chemistry Student Unit Guide is the essential study companion for Unit F321 Atoms Bonds and Groups This book includes all you need to know to prepare for your unit exam clear guidance on the content of the unit with topic summaries knowledge check questions and a quick reference index examiner s advice throughout so you will know what to expect in the exam and will be able to demonstrate the skills required and exam style questions with graded student responses so you can see clearly what is required to get a better grade

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