

A-Level Chemistry - Year 2

OCR Chemistry A - Paper 1 June - 2019

Question - 16

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 = _____ (5)

OCR

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Tuesday 4 June 2019 – Afternoon

A Level Chemistry A

443291 Periodic table, elements and physical chemistry

Time allowed: 1 hour 15 minutes

We need you

1 to take the opportunity to
show your progress

We need you

1 to provide a positive outcome



Please write clearly in black ink. Do not write in the brackets.

Centre number

Candidate number

First name

Last name

NOTIFICATION

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

INFORMATION

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

Ocr Chemistry Past Papers F321 June 2014

Richard Parsons



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OCR A Level Chemistry A. Emma Poole,2016

A Level Chemistry a for OCR Year 2 Student Book Dave Gent,2015-04-01 Written by curriculum and specification experts this Student Book supports and extends students through the new course while delivering the breadth depth and skills needed to succeed in the new A Level and beyond It develops true subject knowledge while also developing essential exam skills

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AS-level chemistry Richard Parsons,2008 AS Level Chemistry OCR A Complete Revision Practice

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