# A-Level Chemistry - Year 2

OCR Chemistry A - Paper 1 June - 2019

- 16 Sir Humphry Davy discovered several elements including sodium, polassium, magnesium, calcium and strontium.
  - (a) Explain which block in the Periodic Table sodium and magnesium belong to

(b) A sample of magnesium, A<sub>i</sub> = 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
МMg	23.985	78.99%
71 <sub>Mg</sub>	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.

## Question - 16

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## Tuesday 4 June 2019 - Afternoon

### A Level Chemistry A.

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## **Emma Poole**

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