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**SMART EXAM RESOURCES**  
**9701 CAMBRIDGE AS CHEMISTRY**  
**TOPIC QUESTIONS AND MARK SCHEMES**  
**TOPIC :ATOMIC STRUCTURE**

**SUB-TOPIC: DEFINE ISOTOPES**

**SET-1-QP-MS**

**1** Sulfur, S, and polonium, Po, are both elements in Group VI of the Periodic Table.

Sulfur has three isotopes.

**(a)** Explain the meaning of the term *isotope*.

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..... [2]

**MARK SCHEME:**

- (a) same proton number/atomic number (1)  
different mass number/nucleon number (1) [2]