

**SECTION A****Answer ALL questions.****For questions 1–10, in Section A, select one answer from A to D and put a cross in the box ☒.****If you change your mind, put a line through the box ☒ and then mark your new answer with a cross ☒.**

- 1**  $^{17}_8\text{O}$  is an isotope of oxygen.

Which row of the table gives the number of nucleons and the number of neutrons in an atom of  $^{17}_8\text{O}$ ?

	Number of nucleons	Number of neutrons
<input type="checkbox"/> <b>A</b>	8	8
<input type="checkbox"/> <b>B</b>	8	9
<input type="checkbox"/> <b>C</b>	17	8
<input type="checkbox"/> <b>D</b>	17	9

**(Total for Question 1 = 1 mark)**