

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** The nucleus of an isotope of osmium (Os) contains 76 protons and 190 neutrons.

Which of the following can be used to represent this isotope?

- ☐ **A** $^{266}_{76}\text{Os}$
- ☐ **B** $^{190}_{76}\text{Os}$
- ☐ **C** $^{76}_{190}\text{Os}$
- ☐ **D** $^{76}_{266}\text{Os}$

(Total for Question 1 = 1 mark)