SECTION A

Answer ALL questions.

For questions 1–10 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 A neutron can decay to produce a proton.

Which of the following equations correctly shows neutron decay?

$$\triangle$$
 A $n \rightarrow p + e^+ + \overline{v}_e$

$$\blacksquare$$
 B $n \rightarrow p + e^+ + v_e$

$$\square$$
 C n \rightarrow p + e⁻ + \overline{v}_e

$$\square$$
 D $n \rightarrow p + e^- + v_a$