

3 Neutrinos can interact with protons to create neutrons.

Which of the following equations shows this process?

☐ **A**  $\nu_e + p \rightarrow e^+ + n$

☐ **B**  $\nu_e + p \rightarrow e^- + n$

☐ **C**  $\bar{\nu}_e + p \rightarrow e^+ + n$

☐ **D**  $\bar{\nu}_e + p \rightarrow e^- + n$

(Total for Question 3 = 1 mark)