

**39** Which statement about  $\beta^-$  decay is correct?

- A** A neutron changes to a proton in the nucleus and an electron and an antineutrino are emitted.
- B** A neutron changes to a proton in the nucleus and an electron and a neutrino are emitted.
- C** A proton changes to a neutron in the nucleus and an electron and an antineutrino are emitted.
- D** A proton changes to a neutron in the nucleus and an electron and a neutrino are emitted.

**40** Which of the following is a correct equation for the decay of  ${}^3\text{H}$ ?