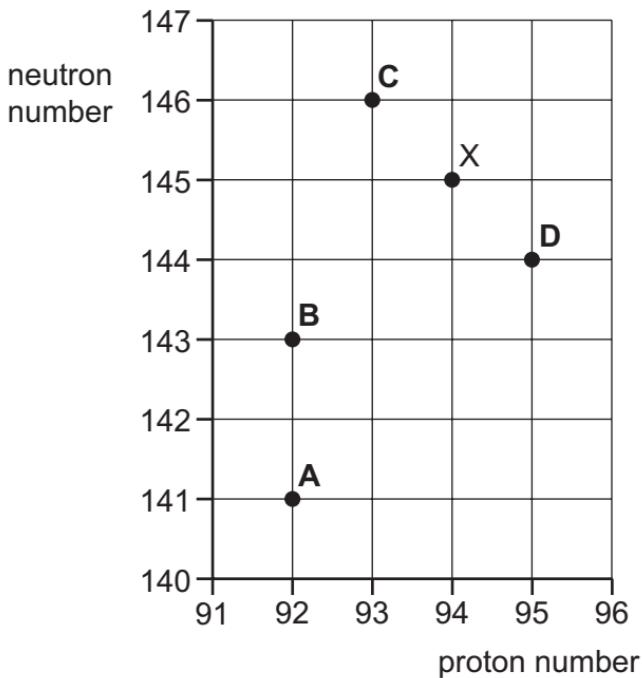


- 39 The figure shows part of a chart of nuclides where neutron number is plotted against proton number.

An unstable nuclide X decays by emitting an α -particle.

Which nuclide is formed by the decay of nuclide X?



- 40 The graph shows a plot of the total energy E in MeV versus the mass number A for a series of nuclides.