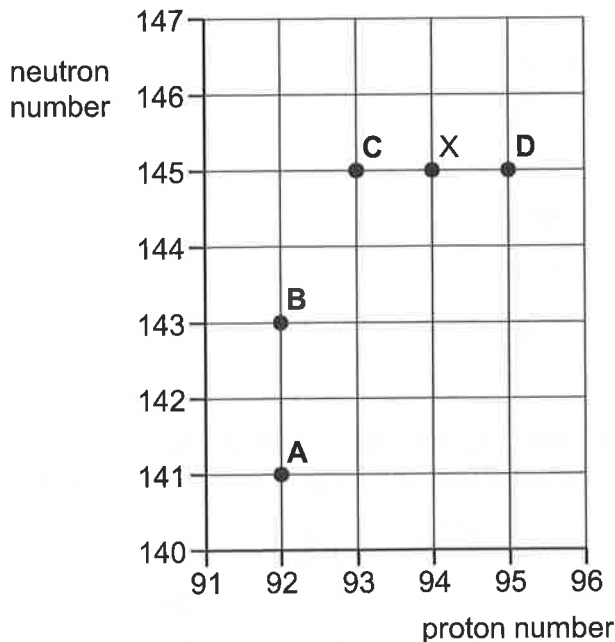


- 29 The figure shows part of a chart of nuclides where neutron number is plotted against proton number.

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

Into which nuclide does it decay?



- 30 A sample of radioactive material contains 4.8×10^{20} undecayed atoms and has an activity of