

7 A nucleus of protactinium, $^{231}_{91}\text{Pa}$, decays by emitting an α particle.

The nucleus formed is

☐ **A** $^{233}_{95}\text{Am}$

☐ **B** $^{235}_{93}\text{Np}$

☐ **C** $^{227}_{89}\text{Ac}$

☐ **D** $^{229}_{87}\text{Fr}$

(Total for Question 7 = 1 mark)