

39 A uranium nucleus has 92 protons and 143 neutrons.

The nucleus emits a total of 3 α -particles and 4 β^- particles to form nucleus X.

How can nucleus X be represented?

A ${}_{90}^{131}\text{X}$

B ${}_{87}^{219}\text{X}$

C ${}_{82}^{223}\text{X}$

D ${}_{90}^{223}\text{X}$