

12. Uranium-239 ($^{239}_{92}\text{U}$) undergoes decay by emitting a beta particle. The nucleus formed as a result of this decay also undergoes decay by emitting a beta particle to form nucleus X.

Nucleus X is

- A $^{231}_{88}\text{Ra}$
- B $^{235}_{90}\text{Th}$
- C $^{239}_{90}\text{Th}$
- D $^{239}_{93}\text{Np}$
- E $^{239}_{94}\text{Pu}$.