

39 A nucleus Q has the notation ${}^y_x\text{Q}$.

Which of the following is an isotope of Q?

A ${}^{y-1}_x\text{Q}$

B ${}^y_{x-1}\text{Q}$

C ${}^y_{x+1}\text{Q}$

D ${}^{y-1}_{x+1}\text{Q}$

40 A ${}^{238}_{92}\text{U}$ nucleus decays in two stages to a ${}^{234}_{90}\text{Th}$ nucleus.