

38 Uranium-235 may be represented by the symbol $^{235}_{92}\text{U}$.

Which row shows the numbers of nucleons, protons and neutrons in a $^{235}_{92}\text{U}$ nucleus?

	nucleons	protons	neutrons
A	92	235	143
B	143	92	235
C	235	92	143
D	235	143	92

39 When a magnesium nucleus $^{25}_{12}\text{Mg}$ is hit by a gamma ray, a sodium nucleus $^{24}_{11}\text{Na}$ is formed and