

37 The gold nucleus  $^{185}_{79}\text{Au}$  undergoes alpha decay.

What are the nucleon (mass) number and proton (atomic) number of the nucleus formed by this decay?

	nucleon number	proton number
A	183	79
B	183	77
C	181	77
D	181	75

38 The nuclei of the isotopes of an element all contain the same number of a certain particle.