

- 40** Radon $^{222}_{86}\text{Rn}$ decays by α - and β -emission to bismuth $^{214}_{83}\text{Bi}$.

For the decay of each nucleus of radon, how many α - and β -particles are emitted?

	α -particles	β -particles
A	1	1
B	2	1
C	1	2
D	2	2