

39 The calcium nuclide $^{42}_{20}\text{Ca}$ is formed by β^- decay.

What are the nucleon (mass) number and proton (atomic) number of the unstable nuclide that underwent β^- decay to form the calcium nuclide?

	nucleon number	proton number
A	41	19
B	41	21
C	42	19
D	42	21

40 Which diagram represents the structure of an antineutrino?