

- 30** Today, the activity of a sample of caesium-137 is 4.0×10^5 Bq. The half-life of caesium-137 is 33 years.

What is the best estimate of the number of caesium-137 nuclei that will decay in the next two days?

A 5.0×10^8

B 1.2×10^9

C 6.9×10^{10}

D 9.5×10^{12}