30 What is the decay constant of a radioactive substance?

A The number of disintegrations of nuclei in the substance occurring in one half-life of the substance.

B The number of disintegrations of nuclei in the substance occurring per unit time

C The average time taken for half the nuclei initially present in the substance to decay

D The constant proportionality in the equation relating the rate of decay of nuclei in the substance to the number of undecayed nuclei

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