

- 30** Readings of the count rate produced by a radioactive source are measured as the source becomes warmer.

The readings of the count rate are taken over a length of time, which is much longer than the half-life of the source.

What implies that radioactive decay is random and spontaneous?

	random	spontaneous
<b>A</b>	readings fluctuate	activity decreases
<b>B</b>	readings fluctuate	half-life remains the same
<b>C</b>	half-life remains the same	activity decreases
<b>D</b>	half-life remains the same	readings fluctuate

