

ACT: Radioactivity

Decays per second, or "activity" ———

$$\frac{\Delta N}{\Delta t} = -\lambda N$$
No. of nucle present

Start with 16 ¹⁴C atoms. After 6000 years, there are only 8 left. How many will be left after another 6000 years? 1) 0 2) 4 3) 8