

$$T_{1/2} = 5730 \text{ anys}$$

$$N = 61\% \text{ de } N_0 \Rightarrow \frac{N}{N_0} = 61\% = \frac{61}{100} = 0,61$$

$$\frac{N}{N_0} = e^{-\frac{\ln 2}{T_{1/2}} t} \Rightarrow \ln \frac{N}{N_0} = -\frac{\ln 2}{T_{1/2}} t$$

$$t = -\frac{\ln N/N_0}{\ln 2} \cdot T_{1/2} = -\frac{\ln 0,61}{\ln 2} \cdot 5730 = \boxed{4086 \text{ anys}}$$

El taüt té 4086 anys