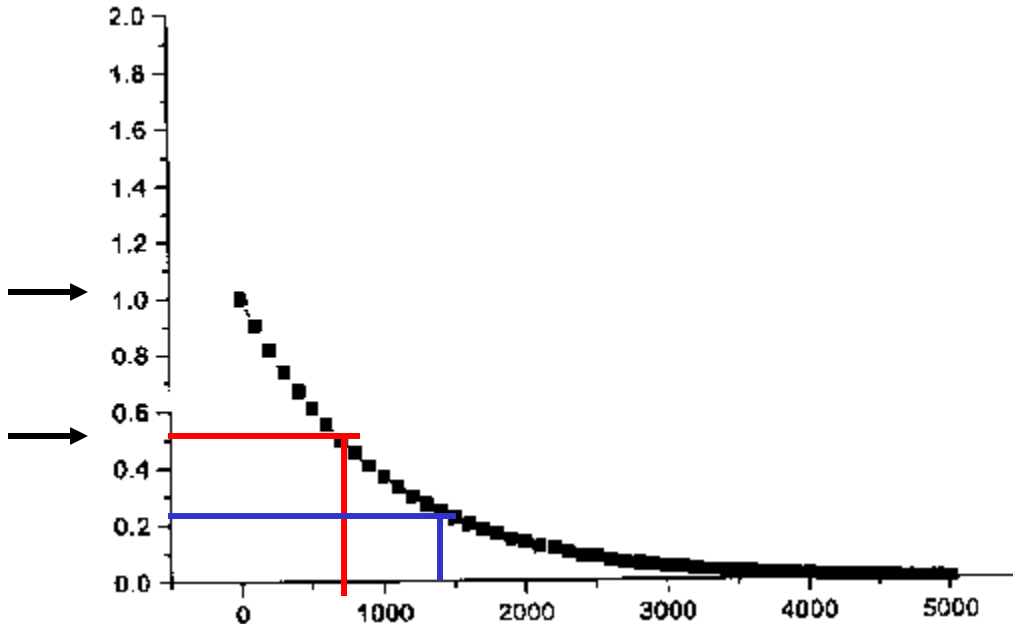


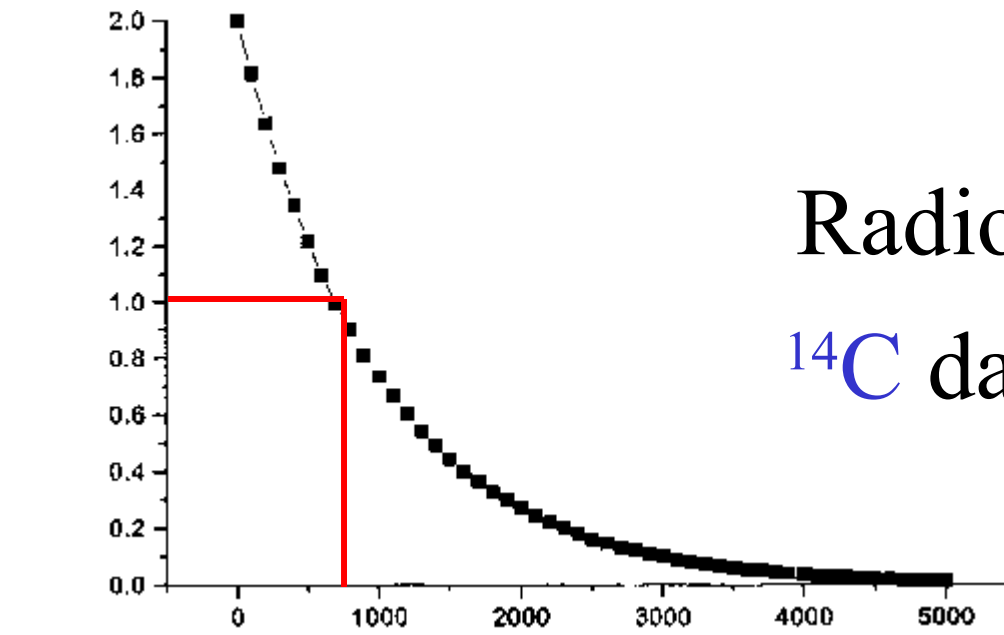
1st order reactions



$$t_{1/2} = \frac{\ln 2}{k}$$

$$700 \text{ ms} = \frac{\ln 2}{k}$$

$$k \approx 1 \text{ s}^{-1}$$



Radioactive decay 1st order

^{14}C dating $t_{1/2} = 5730 \text{ years}$