Question:

The half-life of carbon-14 is 5730 years. How much of a 50 g sample of carbon-14 is present after 11,460 years?

149205 T1/2 = 5730 year N= N.e m = 50 g t = 11 460 T12 = Enz; m -? 121 $m = m_{p} e^{-\lambda t}$ $m = m_{p} e^{-11460 \cdot 12, 1.10^{5}}$ $m = 50 \cdot e^{-11460 \cdot 12, 1.10^{5}} = 50 \cdot 0, 25 = -1000$ 12,59 conclusion: me 12,59

www.AssignmentExpert.com