

How many years would it take to reduce the ^{14}C in a compound to one fourth of its original value?



1. 1.15×10^4 yrs
2. 2.86×10^3 yrs
3. 2.29×10^4 yrs
4. 1.43×10^3 yrs

Correct Answer: 1.

Comments to the instructor: Choice 2 is picked by the student who thinks one half life is one half the time. Choice 3 is picked by the student who quadruples the half life. Choice 4 is picked by the student who takes one fourth of the half life.