

ACT/Preflight 27.9

The half-life for beta-decay of ¹⁴C is ~6,000 years. You test a fossil and find that only 25% of its ¹⁴C is un-decayed. How old is the fossil?

- 1. 3,000 years
- 2. 6,000 years
- 3. 12,000 years