

Radiometric Decay Lab Follow Up Questions

1. What is the difference between a parent atom and the daughter atom? Which atom in the lab represented the parent atom and the daughter atom.
2. What is half-life of Windsorium? How do you know? (Use your lab data table or the lab data table).
3. How many half lives will have passed to reach 12.5% of Windsorium to decay into Healdsburgium? How do you know? How much Healdsburgium would have been produced?
4. How does carbon-14 get into living things (including in your body)?
5. You find a mummy with only 25% Jaggerium in it. Jaggerium has a half life of 250 years. How many half-lives have passed? How old is the fossil?
6. Extension: Research on the internet to find out what is the half-life of the following radioactive atoms? AND... What is the daughter atom for each of them?
Carbon-14, Potassium-40, Uranium-238, Uranium-235

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