

Describe two pieces of evidence that indicate Archbishop Ussher's conclusion was incorrect.

- 1) _____
- 2) _____
3. What did James Hutton conclude?
4. How is our own Grand Canyon an example of uniformity or uniformitarianism?
5. According to the Principle of Superposition, in an undisturbed sequence of sedimentary rocks, the oldest rocks are found _____ and the youngest are found _____.
6. If you find tilted or folded rocks, what does the Law of Original Horizontality say about them?
7. A rock is _____ in age than any rock it cuts across.
8. How can fossils be useful in dating rocks?
9. Describe two ways fossils may be preserved. (Don't just list two types of fossils.)
 - a) _____
 - b) _____
10. Why are the rocks in the bottom of the Grand Canyon called Cambrian rocks?
11. What happens over time to the amount carbon-14 in the body of a dead organism.
12. You find two rocks with carbon in them. Which is older, the rock with more carbon 14 or less carbon 14? Explain.
13. If carbon-14 dating is accurate only to about 50,000 years old, how can we date rocks older than that? Aren't we stuck at 50,000 years? Explain.
14. What does the mass spectrometer do?

To learn more about mass spectrometry, read the [Wikipedia](#) entry.
15. How is relative age different from absolute age?