

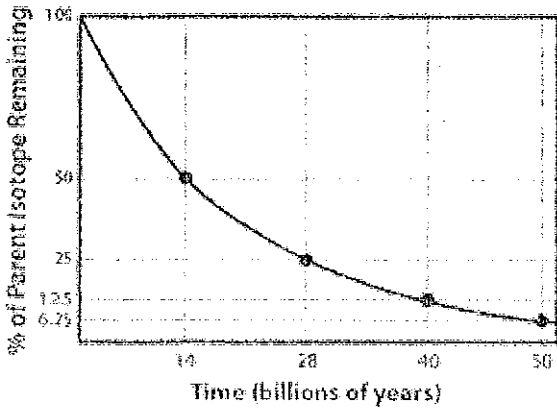
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b. Where do you typically find the oldest rock layer in a sequence? **Bottom**

6. With _____ dating, a rock's exact age can be determined, whereas with _____ dating, a rock's age is compared to the ages of other rocks.

- a. absolute, relative
- b. relative, absolute
- c. true, absolute
- d. relative, approximate

7. Using the graph, determine the half-life of thorium-232.



14 billion years

8. What characteristic of radioactive decay makes it useful for determining the absolute age of samples?

It occurs at a constant rate

9. Is the principle of superposition used for absolute age dating or relative age dating? **Relative age dating**

Define each term.

principle of superposition

radiometric dating

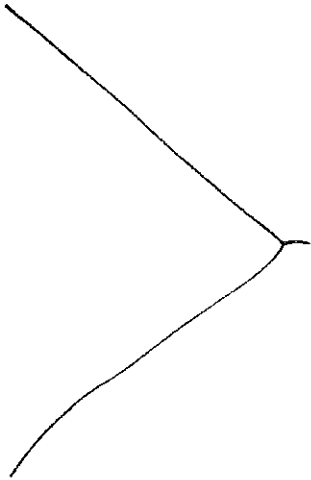
Unconformities

half-life

index fossils

Uniformitarianism

radioactive decay



see Ch. 16 Quizlet on weebly

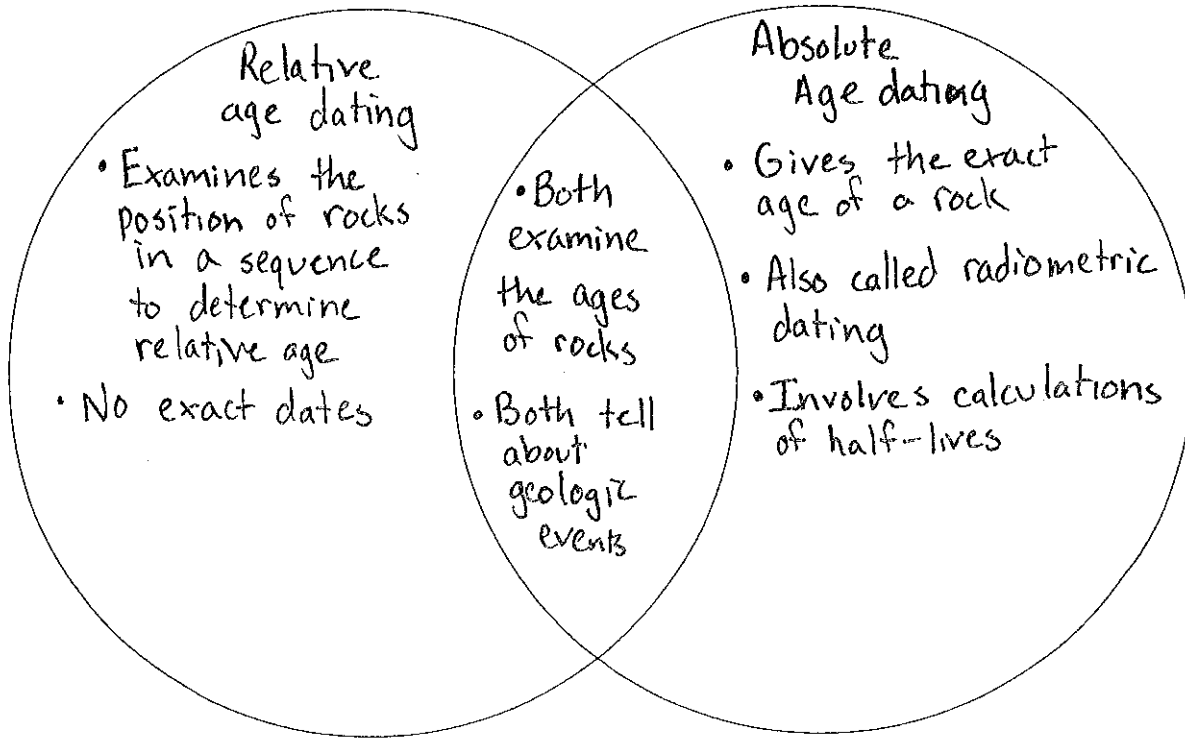
relative dating

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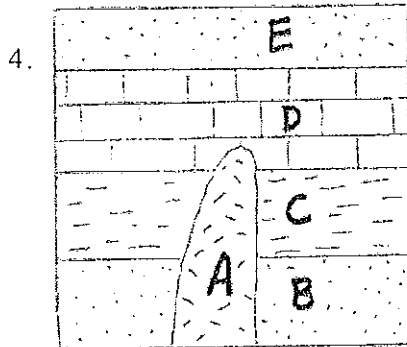
1. Define Uniformitarianism

States that processes that happened in the past are still happening today.

2. Compare/Contrast Absolute Age Dating and Relative Age Dating by making a Venn Diagram



3. What are index fossils? Fossils of species that lived on Earth for short periods of time and were abundant and widespread geographically



List the Layers from Oldest to Youngest

B, C, D, A, E