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| 1. Define Uniformitarianism |

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

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| 3.  What are index fossils? |
| 4. List the Layers from Oldest to Youngest |

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| 5. Where do you typically find the oldest rock layer in a sequence? |

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| 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 | |

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| 7. Using the graph, determine the half-life of thorium-232. |
| 8. What characteristic of radioactive decay makes it useful for determining the absolute age of samples? |
| 9. Is the principle of superposition used for absolute age dating or relative age dating? |
| *Define each term.*   |  | | --- | | principle of superposition | | radiometric dating | | Unconformities | | half-life | | index fossils | | Uniformitarianism | | radioactive decay | | relative dating | | |