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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.

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|   | 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.*

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| principle of superposition |
| radiometric dating |
| Unconformities |
| half-life |
| index fossils |
| Uniformitarianism |
| radioactive decay |
| relative dating |

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