





Anticipation Guide – Paleontology: Fossils and Radioactive Dating

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___1. Fossils are the preserved remains of living things, and their evidence helps to show us how living things have changed over time, or evolved.

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___2. My theory that Auburn University is the BEST university in the country is as valid as a scientific theory.

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___3. Some fossils are not found in sedimentary rock, but in tar pits, dried amber, or frozen in the ground.

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___4. Everything we see is made of matter. Matter is made of atoms. Atoms of the same type in one form of matter makes an element.

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___5. Scientists use radioactive decay to date things. Carbon-14 dating is used for dating igneous rocks, and potassium-argon dating is used to date metamorphic and sedimentary rocks.

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___6. A mold is a hollow area in sediment in the shape of an organism. A cast is made when dissolved minerals fill that space, harden, and make a 3D replica of the organism.

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