

## CHAPTER 25: The History of Life on Earth

1. How are fossils significant to our study of biology?

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2. Review these key points in the study of fossils:

a. Sedimentary rocks are the richest source of fossils.

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b. Paleontologists use a variety of methods to date fossils.

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c. Continental drift.

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d. The history of life is punctuated by mass extinctions show how...

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3. What are a few ways how earth's environment has changed?

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4. Start with the origin of the earth and identify the **time frame, conditions, and evidence** for each of the following steps to current life forms on earth.

a. Origin of the earth –

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b. Prokaryotic life –

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c. Oxygen in the atmosphere –

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d. Eukaryotic life –

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e. Multicellular life –

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5. What was significant about the discovery of the iridium bands in some sedimentary layers?

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6. What was special about the Cambrian Explosion?

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