

Chap 25: History of the Earth

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Explain a possible hypothesis for the creation of cells on Earth?

What is a ribozyme and how does it apply to emerging life on this planet?

Be able to explain the Miller-Urey experiment to create organic molecules from abiotic materials.

Understand the concept of radiometric dating and half-life.

Explain the endosymbiotic theory of eukaryote creation.

Know that there have been many (5) major mass extinctions (the last two would be good gravy material)

What is adaptive radiation?

What are homeotic genes?

How do Hox genes influence large changes in morphology?

Is evolution goal oriented?