

Scientists who influenced Darwin

Aristotle scala naturae (**god created every creature as is** and they're all perfect)

Linnaeus father of **taxonomy**

Hutton **Gradualism** (changes in Earth's surface can result from slow continuous actions)

Lamarck **species evolve** through use and disuse of body parts and the inheritance of acquired characteristics

Malthus **overpopulation**

Cuvier **Catastrophism** (each layer of strata in the earth represents a 'catastrophe'), fossils

Lyell **Uniformitarianism** (processes which happened in the past still happen today)

Earth's age

old notion earth is a few thousand years old

new notion earth is almost 5 billion years old

Note from author

I've changed my mind. This isn't going to help me study for a bio test because of the limited resources and time i have. If a viewer wishes to finish it, please do.

Proof 1 - Fossils

Paleontology study of fossils

strata layers of earth

Proof 2 - Comparative anatomy

homologous same structure, different use (bat wing/human arm)

vestigial same function, diff structure (bat wing, butterfly wing)

Proof 3 - Comparative embryology

homologous parts tail in all vertebrae embryos

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