

James Hutton



Charles Lyell



*Thomas Robert Malthus*

Thomas Malthus



Robert Hooke



George Cuvier



Mary Anning



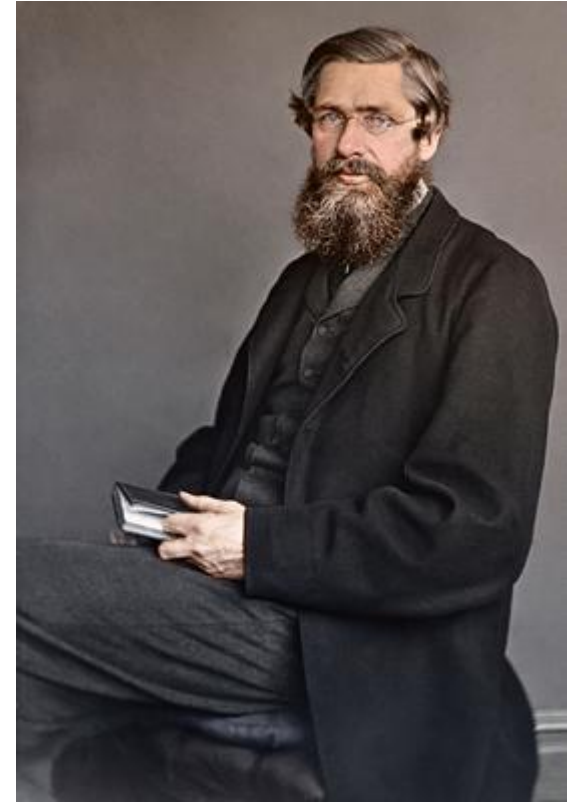
John Ray



Carolus Linnaeus



Lamarck



Alfred Russel Wallace

Observed & documented how natural processes change earth's landscape, and used this to calculate earth's age. Also, developed idea of uniformitarianism

Binomial nomenclature taxonomy

Provided a model for how physical traits passed from parents to offspring – though this model was wrong

Provided evidence for extinction and proposed extinction happened through catastrophism

Created first scientific classification of plants and animals

Deduced that fossils provided a history of past life

Proposed idea of adaptive traits leading to greater survival and reproduction

Simultaneously developed theory for evolution through natural selection, almost scooped Darwin, but didn't have as much evidence

Collected lots and lots of geologic evidence to back up the idea that earth is millions of years old

Discovered Pleisosaurs – never recognized for work while living