

What is a Theory in Science?

A scientific theory is a well-substantiated explanation of some aspect of the natural world, based on a body of facts that have been **repeatedly confirmed** through **observation and experiment**. Such fact-supported theories are not "guesses" but reliable accounts of the real world.



Evolution - Change over time

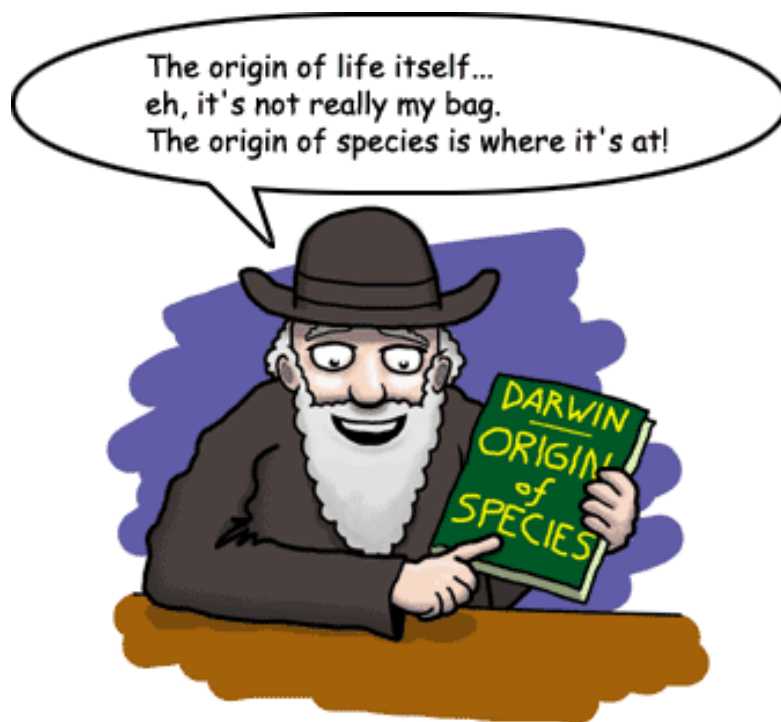
Biological Evolution - The change of organisms over multiple generations.



Charles Darwin - Published the first work on the evolution of species

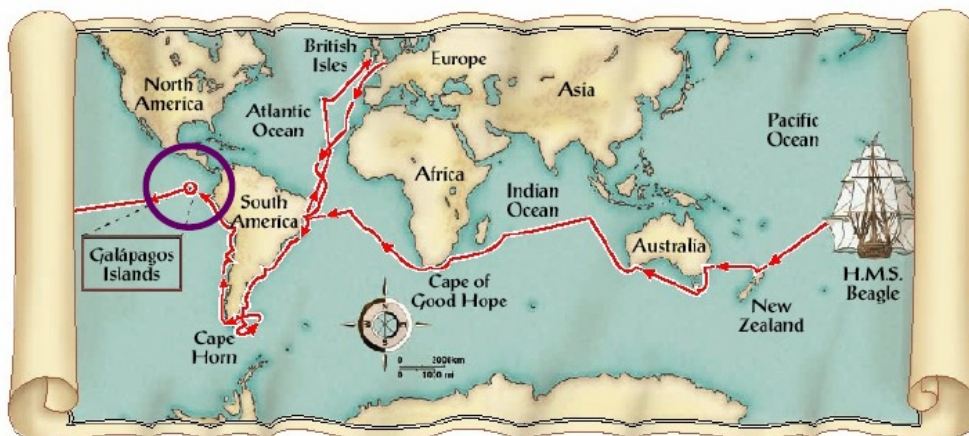


- > Was he the first person to observe evolution?
- > By studying Darwin's path to developing the theory of evolution, we develop our own understanding of the underlying concepts of evolution.



Voyage of the HMS Beagle

- Stopped in Galapagos Islands
 - ♦ 500 miles off coast of Ecuador



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