

CHARLES DARWIN

(Refer to Nelson Biology 12, Chapter 11, pp. 519-533)

The Person

- Born in _____; died in _____.
- Began studying _____ but the sight of blood turned him from that profession; also studied Theology and received a B.A. degree.
- But Darwin was a born “_____”, he was fascinated with _____.
- In 1831, at _____ years old, he accepted an unpaid position as ship’s naturalist on the ship, “H.M.S. _____”.

The Expedition

- 5-year voyage around the world.
- During expedition he read Charles Lyell’s 1st volume of “_____” (stated that it would have taken _____ of years to mold the land into its current state.
- Darwin thought that was **enough time for** _____ to occur.
- He studied flora and fauna of the _____ **Islands**, taking notes, collecting specimens, and making drawings.
- He was stunned by the _____ **of species** and began to doubt the “_____ of species”.
- Darwin found that on islands WITHOUT _____, prickly pear cacti grew with succulent pads _____ **the ground**; on islands WITH _____, the pads were always **high up**.
- He also discovered several varieties of _____ whose beaks differed on the various islands enabling different ways for them to feed on plants.
- Darwin also thought the extinct **glyptodont** might be the ancestor of the modern _____.

How Could Such Modifications Occur?

- After reading an essay by **Thomas Malthus** he thought: “_____ would select individuals with _____ traits and _____ others and so a population would change.”
- Believed that “_____” could be a mechanism of evolution.
- Eventually published “_____” in 1859.
- 2 years after book published, a fossil called “_____” was found; considered to be link between _____ and reptiles (teeth and hind limbs like reptile / feathers and wishbone like birds)