

GVC #4—I can describe or predict how natural selection and selective breeding lead to adaptations and biological diversity

Learning Target - a. I can summarize Darwin's principles of natural selection.

Evolution Intro Book Notes

p. 163-167

Charles Darwin and the Theory of Evolution

1. What are Darwin's 2 main ideas that make up his Theory of Evolution (p. 163):
 - a.
 - b.
2. Use the two ideas in #1 to write a definition for:
 - a. Evolution:
 - b. Natural Selection:
3. **Darwin's Journey** (p. 163-164)
 - a. In the year _____ Charles Darwin was _____ years old and sailed as a naturalist on the ship _____.
 - b. What was his job as a naturalist?
 - c. List 2 of the observations Darwin made that helped him develop his theory:
 - d. What features of the Galapagos Islands helped lead Darwin to some of his most important observations?
4. List the ideas Darwin obtained about evolution from each of the following scientists (p. 165-166):
 - a. Jean Baptiste Lamarck:
 - b. Charles Lyell:
 - c. Thomas Malthus:
5. Define **Fitness** (#5 on p. 166):
6. _____ is the name of a scientist who also developed a theory similar to Darwin at about the same time.