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| **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

1. **Online Search** – Use your phone to look up a definition of “Scientific Theory”. Write it down:

**Charles Darwin and the Theory of Evolution**

1. What are Darwin’s 2 main ideas that make up his Theory of Evolution (p. 163):
2. Use the two ideas in #1 to write a definition for:
   1. Evolution:
   2. Natural Selection:
3. **Darwin’s Journey** (p. 163-164)
   1. In the year \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Charles Darwin was \_\_\_\_\_\_ years old and sailed as a naturalist on the ship \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
   2. What was his job as a naturalist?
   3. List 2 of the observations Darwin made that helped him develop his theory:
   4. 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):
   1. Jean Baptiste Lamark:
   2. Charles Lyell:
   3. 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.
7. **Notes in class**: List the 3 main ideas that are the foundation of the Theory of Evolution

1.

2.

3.