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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 - c.** I can draw conclusions on how the cumulative effects of adaptations lead to speciation and biological diversity. |

**Adaptation and Speciation Book Notes**

p. 175-181

**1. FORCES OF EVOLUTION** (p.176-177)

 

**VOCABULARY:** (PowerPoint or internet research)

2. Adaptations:

3. Behavioral Adaptations:

4. Structural Adaptations:

5. Co-Evolution:

6. Convergent Evolution:

7. Divergent Evolution:

**SPECIATION** (p. 179-180, video)

*Watch the video on speciation found at* [*http://tinyurl.com/q9qhewd*](http://tinyurl.com/q9qhewd) *and use your book to answer the questions*

8. List 2 ways speciation can begin

1.

2.

9. In the bird speciation video, how many generations could it take for birds on the same island to become a different species?

10. What type of selection led to the population of birds on the opposite side of the island developing elaborate feather adaptations?

11. What are the 2 key parts of the definition of a species? (p. 179)

1.

2.

12.Define the2 Types of speciation (p. 179-180)

Allopatric Speciation:

 Sympatric Speciation: