**Outcome Practice: Darwin’s Theory of Evolution**

**(Outcome 16)**

**Name: Biology 12**

1. Darwin noticed that for centuries farmers manipulated their livestock and crops by doing what he termed **artificial selection**. Explain what he felt this term meant.
2. Darwin felt that the process of selection also occurred in nature and termed this **evolution through natural selection**. He felt there were 3 major contributions to natural selection which caused evolution. Explain how each of the contributions contributed to the process of evolution. (use the notes page as well as your textbook page 380-382)
3. The Struggle for Existence
4. Survival of the Fittest
5. Decent with Modification
6. Darwin’s Theory of Evolution is summarized into 5 principles (**VOCAR**). Use page 386 and the tutorial to explain what each of the principles consist of. Make sure to use your own words so you understand what this means.

**V**ariation

**O**ffspring

**C**ompetition

**A**daptation

**R**eproduction

1. Using the large claw to the fiddler crab explain how Darwin would define the how the claw became so large. Remember to use the 5 key principles above (**VOCAR**) to help you identify how their neck would be so long.