**CLASSIFICATION RUBRIC**

**Chapter 9 Section 1**

State Standard

Standard: 8.1L.1 Explain how genetics and anatomical characteristics are used to classify organisms & infer evolutionary relationships.

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| Learning Target | \*\*Mastery | \*Advanced | \*Meets | Approaching | Beginning |
| **I CAN** explain how living things are classified based on their physical and inherited characteristics. | Thoroughly explain how living things are classified based on their physical and inherited characteristics\*(see below) | Mostly explain how living things are classified based on their physical and inherited characteristics | Somewhat explain how living things are classified based on their physical and inherited characteristics | Struggling to explain how living things are classified based on their physical and inherited characteristics | Wasn’t able to or didn’t make an attempt to explain how living things are classified based on their physical and inherited characteristics |

The following statements are how to achieve \***Advanced** or \***Meets** for this Learning Target:

** 1.** List the seven levels of classification in order.

**** 2. Describe the science that Carolus Linnaeus is recognized for.

**** 3. Interpret a branching evolutionary diagram.

**** 4. Interpret a dichotomous key to identify a species.

****5. Write Scientific Names correctly and identify the classification level of each of the two scientific

 names.

To achieve \*\***MASTERY** for this Learning Target you need to achieve **Advanced** on numbers 1-5 above **AND** be able to correctly and thoroughly complete numbers 1-2 below.

 1. Explain why common names for species is a problem to scientists.

 2. Make a simple dichotomous key to identify a species.