**STUDY GUIDE to show Proficiency**

**CLASSIFICATION UNIT CHAPTER 9 SECTION 1**

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

**Learning Target:** **I CAN** explain how living things are classified based on their physical and inherited characteristics.

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

* read Chapter 9 Section 1 page 203
* review #11 Directed Reading CH 9 S. 1
* review Formative Assessment “Seven Levels of Classification and Scientific Names”

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

* read Chapter 9 Section 1 page 204
* review #11 Directed Reading CH 9 S. 1
* review Formative Assessment “Branching Diagram and Linnaeus”

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

* read Chapter 9 Section 1 page 204
* review #11 Directed Reading CH 9 S. 1
* review #12 Branching Diagram
* review Formative Assessment ““Branching Diagram and Linnaeus”

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

* read Chapter 9 Section 1 page 206-207
* review #11 Directed Reading CH 9 S. 1
* review #13 Monster and Sharks Dichotomous Key
* review #14 Bat Dichotomous Key
* review Formative Assessment “Dichotomous Key”

****Write Scientific Names correctly and identify the classification level of

each of the two scientific names.

* read Chapter 9 Section 1 page 205-206
* review #11 Directed Reading CH 9 S. 1
* review #15 Scientific Names
* review Formative Assessment “Seven Levels of Classification and Scientific Names”

**To achieve Mastery--refer to your Classification Rubric.**