**Classification Mastery Tracker**

**STANDARD V: Students will understand that structure is used to develop classification systems.**

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|  | **I can statements:** | Assignment | Quiz | Test |
| **S1** | **Objective 1:** Classify based on observable properties.  * I can classify non-living objects based on external structures (e.g. hard, soft, etc.) * I can compare living, once living, and nonliving things. * I can defend the importance of observation in scientific classification. * I can demonstrate that there are many ways to classify things. |  |  |  |
| **S2** | **Objective 2:** Use and develop a simple classification system.   * I know how to use a provided classification scheme to classify things (e.g. shells, leaves, rocks, bones, fossils, weather, clouds, stars, planets, etc.) * I can develop a classification system based on observed structural characteristics. * I can generalize rules for classification. * I can relate the importance of classification systems to the development of science knowledge. * I can recognize that classification is a tool made by science to describe perceived patterns in nature. |  |  |  |
| **S3** | **Objective 3:** Classify organisms using an orderly pattern based upon structure.   * I can arrange organisms according to kingdom (plant, fungi, animal, protest, Archaebacteria, Eubacteria * I can use a classification key or field guide to identify organisms. * I can explain how new information and technology can result in changes in classification systems. |  |  |  |

**Vocabulary:**

* Classification
* Dichotomous key
* Kingdom
* Organism
* Species