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| Subject: **Science**  Course:  **Life Science** | | |
| Standards: SC.6.L.15.1 Analyze and describe how and why organisms are classified according to shared characteristics with emphasis on the Linnaean system combined with the concept of Domains. | | |
| Learning Goal: Students will learn the Linnaean system of classification for all living beings. | | |
| Grade Level(s): 7th Grade | | |
| **4.0** | **In addition to Score 3.0, in-depth inferences and applications that go beyond instruction to the standard**  **The student will:**   * Be able to design an imaginary organism that might be missing link between prokaryotes and eukaryotes. * Be able to explain how the Taxonomic keys are made and used.   **No major errors or omissions regarding the score 4.0 content** | |
|  | **3.5** | In addition to score 3.0 performance, in-depth inferences and applications with partial success |
| **3.0** | **The student will**:   * Be able to explain how and why organisms are classified according to shared characteristics using the Linnaean system of classification for all living beings. * Be able to determine the reason for the binomial nomenclature, and learn how it is written.   **No major errors or omissions regarding the score 3.0 content (simple or complex)** | |
|  | **2.5** | No major errors or omissions regarding 2.0 content and partial knowledge of the 3.0 content |
| **2.0** | **The student recognizes and describes specific terminology such as:**   * Classification * Taxonomy * Binomial nomenclature * Genus * Species   **The student will be able to determine**:   * Why do Biologists classify organisms? * What are the levels of classification?   **No major errors or omissions regarding the simpler details and processes but major errors or omissions regarding the more complex ideas and processes** | |
|  | **1.5** | Partial knowledge of the score 2.0 content, but major errors or omissions regarding score 3.0 content |
| **1.0** | With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes. | |
|  | **0.5** | With help, a partial understanding of the score 2.0 content, but not the score 3.0 content |
| **0.0** | Even with help, no understanding or skill demonstrated | |