**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hr. \_\_\_\_**

**Organizing \_\_\_\_\_\_\_\_\_\_\_\_ Diversity**

**Chapter 7 NOTES:**

**Classification**

* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is important**
* **Scientists \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ organisms \_\_\_\_\_\_\_\_\_\_ on \_\_\_\_\_\_\_\_\_\_\_\_\_.**
* **Taxonomy-\_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_\_\_ that \_\_\_\_\_\_\_\_\_\_\_**
* **\_\_\_\_\_\_\_\_\_\_ Systems:**

**Aristotle**

* **\_\_\_\_\_\_\_\_\_\_\_\_ philosopher (384-322 B.C.)**
* **\_\_\_\_\_\_\_\_\_\_\_\_ life into \_\_\_\_\_\_\_\_ groups:**
* **\_\_\_\_\_\_\_\_\_**
* **\_\_\_\_\_\_\_\_\_, Shrubs, \_\_\_\_\_\_\_\_**
* **\_\_\_\_\_\_\_\_\_**
* **Land, \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_**
* **Problems?**

**Carolus Linnaeus**

* **Swedish \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1707-1778)**
* **System \_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_ organisms \_\_\_\_\_\_\_\_ on \_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_ similaries.**
* **Still \_\_\_\_\_\_\_\_ today.**

**Taxonomy**

* **\_\_\_\_\_\_\_\_\_\_\_\_\_ of classifying and \_\_\_\_\_\_\_\_\_\_\_\_\_**
* **\_\_\_\_\_\_\_\_\_\_ purposes:**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **Used to study \_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **\_\_\_\_\_\_ major aspects:**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Binomial Nomenclature**

* **System to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ organisms.**
* **\_\_\_\_\_\_\_\_\_\_\_.......\_\_\_\_\_\_\_\_\_\_ language (globally \_\_\_\_\_\_\_\_\_\_\_\_)**
* **\_\_\_\_\_\_ Names:**
* **First is “\_\_\_\_\_\_\_\_\_”**
* **Second is a “\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_”-describes \_\_\_\_\_\_\_\_\_\_\_\_.**
* **They combine to make the “\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_”**

**Scientific vs Common Names**

* **Why \_\_\_\_\_\_ just use common names?**
* **Is a “\_\_\_\_\_ \_\_\_\_\_\_\_\_\_” a \_\_\_\_\_\_\_\_\_?**
* **Is a “\_\_\_\_\_\_\_\_\_” a fish?**
  + **Or a \_\_\_\_\_\_?**
* **Is a “\_\_\_\_\_\_ \_\_\_\_\_ “ really bald?**
* **The case of the “\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_.”**
  + **Spain=gorrion**
  + **Holland=musch**
  + **Sweden=hussparf**
  + **ONLY ONE SCIENTIFIC NAME: \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_**

**Taxonomic Rankings or Classification Categories**

* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(3)**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(6)**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(approx. 1.4 million named)**

**Six Kingdoms:**

* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**