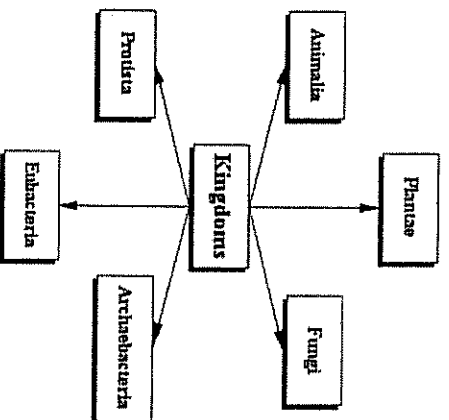


### Scientific Nomenclature

*Living organisms are grouped by scientists using characteristics that the organisms share. Once the organisms are placed in a category, they are given a scientific name (Genus and species) that often derives from Latin or Greek languages. This “2-name” system is called binomial nomenclature and was developed by Carl Linnaeus. While the Genus name can be shared with other very similar organisms, each species name is only unique to that single species.*

**Learning Target:** You will work with a partner to become familiar with taxonomy (grouping organisms by like characteristics) and scientific naming conventions. You will accomplish this through researching, drawing and describing organisms from 3 of the biological Kingdoms and by creating a new and unique organism for the remaining 3 Kingdoms.



**Methods:** Use a Chromebook to research information about each of the 6 Kingdoms. Using the information that you find, choose 3 organisms, one from each of 3 of the Kingdoms. Draw and label the organisms and write their scientific names (Genus and species). Continue researching the remaining 3 kingdoms. For these 3, create a new and unique organism that shares enough of the characteristics to warrant placing it in that same Kingdom. Use the *Latin* prefixes listed on the back or find others online to name your 3 new creatures. Note that the Genus is always capitalized while the species is not. For example, Humans are *Homo sapiens*. Draw each creature on a separate notecard and create a poster that includes each Kingdom name and the Genus and species of each of your organisms. Include descriptions of characteristics for each.

### Checklist:

1. Research the **Plantae** Kingdom and Describe, Draw and Name a representative organism.
2. Research the **Fungi** Kingdom and Describe, Draw and Name a representative organism.
3. Research the **Archaeobacteria** Kingdom and Describe, Draw and Name a representative organism.
4. Research the **Eubacteria** Kingdom and Describe, Draw and Name a representative organism.
5. Research the **Protista** Kingdom and Describe, Draw and Name a representative organism.
6. Research the **Animalia** Kingdom and Describe, Draw and Name a representative organism.

**[Reminder: 3 of your organisms should be real and 3 should be made up by you and your partner]**