Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_ Block: \_\_\_\_

**Classifying Life**

A scientist discovered several new forms of life and gave them all “people names” to test her research assistant’s ability to classify them properly based on our modern classification of life. YOU are the research assistant – prove what you can do!

* Bob is unicellular, contains chloroplasts to do photosynthesis
* Jill is multicellular and ingests other organisms for food
* Sharita is multicellular and secretes chemicals to break down living things in its environment that are then absorbed to be used
* Kelly hunts other organisms and has DNA arranged in a circular pattern that is not housed in a nucleus
* Peter uses chemicals from the environment to make food and is classified as Archeae
* Harry is multicellular and has “food making” parts that are green
* Rhonda engulfs organisms for food energy, is unicellular, is about the same size as a chloroplast or mitochondrion and has no membrane-bound organelles.
* Chester has organs and is capable of photosynthesis

|  |  |
| --- | --- |
| **Prok** | **Euk**  Animal –  Plant –  Fungi –  Protist – |
| **Heterotroph** | **Autotroph**  Photo-  Chemo- |