**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**CLASSIFICATION STUDY GUIDE**

1. What do you call the 2-word naming system used by scientists?
2. What is the scientific name for humans?
3. *Canis familiaris* is the scientific name for a dog. Which genus do dogs belong to? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Which species do dogs belong to? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Name the 6 kingdoms of life.
5. Starting with the broadest, list the classification scheme used for living things.
6. Complete the table below about the characteristics of the 6 different kingdoms.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Archae-bacteria** | **Eubacteria** | **Protists** | **Fungi** | **Plants** | **Animals** |
| **Prokaryotic or Eukaryotic** |  |  |  |  |  |  |
| **Unicellular or Multicellular** |  |  |  |  |  |  |
| **Move?** |  |  |  |  |  |  |
| **Autotroph or Heterotroph** |  |  |  |  |  |  |
| **Example** |  |  |  |  |  |  |

1. Define the following:

Prokaryotic:

Eukaryotic:

Unicellular:

Multicellular:

Autotroph:

Heterotroph:

1. What are some reasons scientists use scientific names for organisms?
2. Look at the pictures of the bird beaks below. Identify the genus of each bird by using the dichotomous key.



 Bird W \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Bird X \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Bird Y \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Bird Z \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_