

Name \_\_\_\_\_

### Biological Classification Worksheet

#### Five-Kingdom System:

**Animal Kingdom** – Invertebrates (without backbones) and vertebrates (with backbones), multicellular, no cell walls, obtain energy through respiration

**Plant Kingdom** – multicellular, have cell walls, obtain energy through photosynthesis. Ex. mosses, ferns, flowering and seed plants

**Fungi Kingdom** – cells with cell walls but not green and do not carry out photosynthesis, break down other organic materials to obtain food. Ex. mushrooms and molds and yeasts

**Protist Kingdom** – come in a wide variety of forms, some are animal-like, such as amoeba, paramecium and protozoan. Some are plant-like such as algae and others are fungi-like. Many are single-celled and others are multicellular.

**Monera Kingdom** – some photosynthesize while others respire. The nucleus of moneran cells are not bounded by nuclear membranes like cells in the other kingdoms. Ex. bacteria and blue-green algae

#### The classification of humans – **Homo sapiens**

The two part naming system is called Binomial nomenclature

**Kingdom:** Animalia

**Phylum:** Chordata

**Class:** Mammalia

**Order:** Primata

**Family:** Hominadae

**Genus:** Homo

**Species:** sapiens (note: species is not capitalized)

Answer the following questions in class:

- 1) What is the next smallest classification group after Order? \_\_\_\_\_
- 2) What is the smallest classification group? \_\_\_\_\_
- 3) Every living organism has what classification groups as its name? \_\_\_\_\_ and \_\_\_\_\_
- 4) The first letter of every genus name is \_\_\_\_\_.
- 5) The first letter of every species name is \_\_\_\_\_.
- 6) What is binomial nomenclature? \_\_\_\_\_.

**Homework:**

- 1) Give one example of how you classification is used in your home.
  
  
  
  
  
  
  
  
  
  
- 2) Why is the understanding of classification an important life skill?
  
  
  
  
  
  
  
  
  
  
- 3) List the five kingdoms and give as many examples for each one that you can find in and around your home.

**Kingdom**

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**Examples**

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