

Name _____ Score _____

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, 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* (consists of genus and species.).

Kingdom: Animalia

Phylum: Chordata

Class: Mammalia

Order: Primata

Family: Hominadae

Genus: Homo

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

Using the information above, answer the following questions.

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? _____.

7. Give one example of how you classification is used at school.

8. Why is the understanding of classification an important life skill?