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.

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Score \_\_\_\_\_\_\_\_

# Biological Classification Worksheet

1. What is the next smallest classification group after Order? \_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What is the smallest classification group? \_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Every living organism has what classification groups as its name? \_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_

1. The first letter of every genus name is \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1. The first letter of every species name is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1. What is binomial nomenclature? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

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

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

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Score \_\_\_\_\_\_\_\_

Classification Practice – Animals

## Part A

In the exercises that follow, arrange the items listed into different groups. Give each group a title indicating what the members of that group have in common.

1. German Shepherd, Great Dane, parrot, Irish setter, canary, husky, robin, pigeon

Title \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Title \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Apples, peas, orange, banana, carrot, lettuce, turnip, pear, grape, potato

Title \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Title \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Steak, football, sausage, chair, table, bacon, sofa, baseball bat, cleats, ham, bookcase

Title \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Title\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Title\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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