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


**Practice with Taxonomy and Classification**

1. Kingdoms – give an example of each

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Animalia** | **Plantae** | **Fungi** | **Eubacteria** | **Archaeabacteria** | **Protists** |
|  Examples |  |  |  |  |  |  |

2. Into what kingdom would each of the following be classified:

a. Unicellular prokaryotes that live in dust. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 b. Unicellular eukaryotes that line in pond water. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 c. Multicellular eukaryotes that live all over the planet and consume food. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 d. Unicellular prokaryotes that live in volcanic ash. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 e. Multicellular eukaryotes that have cell walls and are heterotrophic. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 f. Multicellular eukaryotes that have cell walls and are autotrophic. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. Organisms that belong to the same class must belong to the same: (check)
 \_\_\_\_\_ Order \_\_\_\_\_\_ Phylum \_\_\_\_\_\_\_ Kingdom \_\_\_\_\_\_\_ Family

4. Fill in the blanks:

 Domain → Kingdom → \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ → Class → \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 → \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Genus → \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. In each pair, circle the one that you would expect to find the most different types of species:

 Kingdom & Genus Phylum & Kingdom Class & Family
 Order & Phylum Genus & Order Phylum & Class
 Order & Class Genus & Species

Use the chart to answer the next questions. →

6. Which three animals is the tiger most closely related to?

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Scientific Name Common Name

*Panthera onca*  Jaguar

*Panthera pardus* Leopard

*Felis lybica* African Wild Cat

*Panthera leo* Lion

*Felis catus* House cat

*Canis lupus*  Wolf

*Panthera tigris* Tiger

*Puma concolor* Cougar

7. Would you expect an animal with the name *Rania concolor* to look similar to a cougar? \_\_\_\_\_\_\_

 Why or why not?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. Which animal is the house cat closest to? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_