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? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_