

Classification Introduction

1. Kingdoms – give an example of each

	Animalia	Plantae	Fungi	Eubacteria	Archaeobacteria	Protists
Examples						

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

- a. Unicellular prokaryotes that live in dust. _____
- b. Unicellular eukaryotes that live 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. Which two animals is the tiger most closely related to?

4. Would you expect an animal with the name *Rania concolor* to look similar to a mountain lion? Why or why not?

<u>Scientific Name</u>	<u>Common Name</u>
<i>Panthera onca</i>	Jaguar
<i>Felis concolor</i>	Mountain lion
<i>Panthera leo</i>	Lion
<i>Felis catus</i>	House cat
<i>Canis lupus</i>	Wolf
<i>Panthera tigris</i>	Tiger

5. Which animal is the house cat most closely related to? _____

6. Organisms that belong to the same class must belong to the same: (check)
 _____ Order _____ Phylum _____ Kingdom _____ Family _____

7. Fill in the blanks:

Kingdom → _____ → Class → _____
 → _____ Genus → _____



8. In each pair, circle the one that you would expect to find the most individual species:

Kingdom & Genus

Phylum & Kingdom

Class & Family

Order & Phylum

Genus & Order

Phylum & Class

Order & Class

Genus & Species