

Name: _____ Date: _____

Taxonomy and Classification

1. Kingdoms – give an example of each

| | Animalia | Plantae | Fungi | Eubacteria | Archaea | Protists |
|----------|----------|---------|-------|------------|---------|----------|
| Examples | | | | | | |

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

- Unicellular prokaryotes that live in dust. _____
- Unicellular eukaryotes that live in pond water. _____
- Multicellular eukaryotes that live all over the planet and consume food. _____
- Unicellular prokaryotes that live in volcanic ash. _____
- Multicellular eukaryotes that have cell walls and are heterotrophic. _____
- 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:

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

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

Kingdom & Genus
Order & Phylum
Order & Class

Phylum & Kingdom
Genus & Order
Genus & Species

Class & Family
Phylum & Class

Use the chart to answer the next questions. →

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

7. Would you expect an animal with the name *Rania onca* to look similar to a jaguar? _____

Why or why not? _____

8. Which animal is the house cat closest to? _____



| <u>Scientific Name</u> | <u>Common Name</u> |
|------------------------|--------------------|
| <i>Panthera onca</i> | Jaguar |
| <i>Panthera pardus</i> | Leopard |
| <i>Felis lybica</i> | African Wild Cat |
| <i>Panthera leo</i> | Lion |
| <i>Felis catus</i> | House cat |
| <i>Canis lupus</i> | Wolf |
| <i>Panthera tigris</i> | Tiger |