

Name _____

Chapter 18 – Classification

Part 1 – Circle the scientific name that is LEAST like the other 2.

1. *Canis familiaris* *Canis lupis* *Felis domesticus*
2. *Felis domesticus* *Mus domesticus* *Felis concolor*
3. *Acer rubrum* *Acer saccharum* *Reseda odorata*

Part 2 – Answer the questions in the space provided.

1. Number the 7 major classification groups (taxa) in order from the most specific (1) to the least specific (7).
____class ____family ____genus ____kingdom
____order ____phylum ____species

2. Write your first and last name. _____
If your name were a scientific name, which part would be the genus? _____
Which part would be the species identifier? _____
Now write your name as a scientific name _____

3. Use the classification of 3 kinds of birds in the table to answer the following questions.

Taxon	Carolina wren	House wren	Winter wren
Kingdom	Animalia	Animalia	Animalia
Phylum	Chordata	Chordata	Chordata
Class	Aves	Aves	Aves
Order	Passeriformes	Passeriformes	Passeriformes
Family	Troglodytidae	Troglodytidae	Troglodytidae
Genus	<i>Thryothorus</i>	<i>Tryglodytes</i>	<i>Tryglodytes</i>
Species	<i>ludovicianus</i>	<i>aedon</i>	<i>troglydytes</i>

How many taxa are the same for all three birds? _____

Using binomial nomenclature, what is the scientific name of the winter wren? _____

Which 2 birds are most closely related? _____

Which wrens are members of the same order? _____

4. Study the table below. Answer the questions that follow.

Taxon	Dandelion	Dog	Wolf	Human
Kingdom	Plantae	Animalia	Animalia	Animalia
Phylum	Tracheophyta	Chordata	Chordata	Chordata
Class	Angiospermae	Mammalia	Mammalia	Mammalia
Order	Asterales	Carnivora	Carnivora	Primates
Family	Compositae	Canidae	Canidae	Hominidae
Genus	<i>Taraxacum</i>	<i>Canis</i>	<i>Canis</i>	<i>Homo</i>
Species	<i>officinale</i>	<i>familiaris</i>	<i>lupus</i>	<i>sapiens</i>

A. How many groups are the same for the dog, wolf, and human? _____

B. Which organism is LEAST related to the other three? _____

C. Which 2 organisms are MOST closely related? EXPLAIN your answer. _____

D. What does the first word in a scientific name represent? _____

E. What does the second word in a scientific name represent? _____

F. What is the scientific name of humans? _____