**Taxonomy Worksheet**

Please go to <http://anthro.palomar.edu/animal/animal_1.htm>

As you read, please fill out the document below. Type directly into this document and put your answers in a different color.

1. What area of the Earth is thought to have the most unknown species?

2. We have an insane amount of diversity on this planet and have for a long time. We estimate that \_\_\_\_\_\_\_\_\_ of all plant and animal life have already come and gone (extinct)

3. Why is this an estimate and not a fact?

4. Why is it important to learn about our diversity?

5. What is taxonomy?

6. What is Carolus Linnaeus real name?

7. How did Linnaean first classify organisms?

8. What is binomial nomenclature?

9. Primates means –

10. What did Darwin propose?

Why do we Classify things today?

1. Darwin’s findings led us to begin looking at organism as if we were all members of the same \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_.
2. How would you describe an elephant to someone who has never seen one?
3. When a new organism is discovered, what is the first thing we look at?
4. What is an example of Homologous Structures? (Homologies?)

Problems in Classifying Organisms

1. Species are always \_\_\_\_\_\_\_\_\_\_\_\_\_.
2. Can you just assume that all species look alike? What did the say about the Jaguar?
3. What happens when tigers and lions mate?
4. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ scheme for classification of living things lumps organisms together based on presumed homologies.

Kingdoms to Subphylum

1. List the 5 kingdoms of living things.
2. What does dichotomy mean?
3. How did *Euglena* cause a hiccup in our classification?
4. What is a notochord?
5. List animals that are included in the Chordate Phylum.

Classes of Vertebrates

1. What class are birds a part of?
2. What makes an amniote?
3. What class are sharks a part of?

Mammal Subclasses and Infraclasses

1. The class Mammalia is divided into subclasses and infraclasses based on:
2. Which of the following types of mammals lay eggs like reptiles or birds?
3. Marsupials are:
4. Placental mammals are:
5. Monotremes are:
6. The functions of the placenta include:
7. Most marsupial and all monotreme species today are found in:

**Take the practice quiz!**

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