**Chapter 15: Classification**

***Read Ch.15 and answer the following questions.***

1. What is taxonomy?

2. Explain how the following are used for classification (remember what you’ve learned in the Evolution Unit).

a) morphology (ex. Homologous & vestigial structures) –

b) embryology –

c) biochemistry/genetic evidence –

3. What is a species?

4. Why are mules not classified as a species?

5. What is the binomial nomenclature systems?

6. *Felis catus* and *Felis leo* belong to the same \_\_\_\_\_\_\_\_\_\_\_\_\_ but to different \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

7. As you move from Domain to Species, the organisms have more & more characteristics that are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

[](https://www.google.ca/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwiX6c3pwuDZAhVN52MKHZYkBgEQjRwIBg&url=https://kmssciencehunt.weebly.com/hunts-ramblings/previous/18&psig=AOvVaw2PGCQ29ibTMzlksZRQngEW&ust=1520728869011789)

8. List the classification groups from largest to smallest.

9. List the six kingdoms in the 6-Kingdom Classification System.

10. Describe how you write the scientific name for an organism.

11. From the textbook, do the following questions:

p. 320 #3 p. 325 #1

p. 323 #2 p. 329 #2 & 3