**Taxonomy (Classification) Test Outline**

*Reading:* Ch.15 pp.318-333

*Concepts to study:*

\_\_\_\_\_ 1. Explain why we classify organisms.

\_\_\_\_\_ 2. What language is used in classification?

\_\_\_\_\_ 3. Explain what is used to help classify organisms.

\_\_\_\_\_ 4. Who developed binomial nomenclature?

\_\_\_\_\_ 5. Describe how you properly use binomial nomenclature.

\_\_\_\_\_ 6. Recognize proper binomial nomenclature

\_\_\_\_\_ 7. Name the 8 taxa in order from smallest to largest or most general to most specific.

\_\_\_\_\_ 8. Know a human being’s complete taxonomic classification.

\_\_\_\_\_ 9. Be able to distinguish which organisms are more closely related by their classification.

\_\_\_\_\_ 10. Distinguish between prokaryotic & eukaryotic cells.

\_\_\_\_\_ 11. Distinguish between the 3 domains of life & give examples in each.

\_\_\_\_\_ 12. Distinguish between the 6 kingdoms of life & give examples within each.

\_\_\_\_\_ 13. Give similarities & differences between the 6 kingdoms.

\_\_\_\_\_ 14. Given descriptors, be able to distinguish which kingdom the unknown organism belongs.

\_\_\_\_\_ 15. Explain what a dichotomous key, a phylogenetic tree, and a cladogram is.

\_\_\_\_\_ 16. Be able to use a dichotomous key, a phylogenetic tree, and a cladogram.

\_\_\_\_\_ 17. Be able to design a small dichotomous key and a cladogram.

*You should also:*

* read the assigned reading
* go through your notes
* know your vocabulary (on the course outline & new words in your notes)
* review your textbook questions & worksheets
* ask questions