**Classification Study Guide**

**Answer the following questions on a separate piece of paper.**

1. List the seven taxons in order from largest (most inclusive) to smallest (most exclusive).

2. Why do scientists classify organisms?

3. Which were the first two kingdoms known to man before the invention of the microscope?

4. List three things that make animals different from the other kingdoms.

5. What are the two major groups of animals? What is the major difference between them?

6. Who was Carl Linneaus and why was his work important?

7. What cell feature makes plants and fungi different from organisms in other kingdoms?

8. Describe the differences between vascular and nonvascular plants.

9. List the 5 major kingdoms we discussed. For each one, state its cell structure (unicellular or multicellular), how it reproduces, and how it gets nutrients.

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| Kingdom | Cell structure | Reproduction | Nutrition |
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10. List the three types of symmetry and describe each one.

11. List and describe the three ways mammals reproduce.

12. What are the simplest animals? Describe them.

13. List the 5 major groups within the animal kingdom and give a distinguishing characteristic of each.

14. What is the difference between an endoskeleton and an exoskeleton? Be specific and give an example of an organism for each.

15. What three characteristics do all vertebrates have in common?

16. List and describe the three categories of fish. How are they placed into each category?

17. Describe the difference between a warm blooded animal and a cold blooded animal.

18. List the simple invertebrates.

19. List the complex invertebrates.

20. Where do all simple invertebrates live?

21. Vocabulary – Define each term.

classification

kingdom

species