**Study Guide**

Animal Diversity, Adaptations, and Evolution (Part 2)

1. What do all animals in this unit (part 2) have in common? What is a chordate?
2. Which vertebrate animals appeared on earth first?
3. What is an amphibian? What are a few characteristics/adaptations?
4. What is a reptile? What adaptations allow them to survive on land?
5. What are some examples of reptiles? If looking at pictures on the test, know which animals are classified as reptiles.
6. Which animal class is most advanced/complex? (Hint: Think of humans)
7. Is a bird more closely related to a butterfly or a lizard? Why?
8. What is a mammal? What are the characteristics of a mammal?
9. What are the three major groups of fish? Name of fish from each group. Which one appeared on earth first?
10. Define a bird. What are some characteristics/adaptations of a bird?
11. Archaeopteryx is a cross between which two classes of vertebrate animals? Why?
12. How is the circulatory system and respiratory system of a fish different than the circulatory system and respiratory system of an amphibian?
13. What are some examples of mammals? In looking at pictures on the test, be able to identify which animals are mammals. (Hint: include water-dwelling and flying mammals)
14. What is a monotreme? Name two examples of monotremes that were introduced in class.
15. How are the eggs of amphibians and reptile different from each other?
16. Review the “Bird Beak Lab” and the idea of natural selection in supporting evolution. Answer the following questions based on the lab.

* What did you learn about the “beaks” of the “birds” in the lab?
* Think about the lab. Give an example of how natural selection occurred with this simulation.
* What is an adaptation?
* What is evolution?

**Notebook Organization**

Animal Diversity, Adaptations, & Evolution (Part 2)

**Notes:**

1. Living Things/Cell Unit
2. Genetics Unit
3. Simple Organisms Unit
4. Plant Unit
5. Animal Adaptations, Diversity, & Evolution (part 1)
6. Animals Adaptations, Diversity, & Evolution (part 2)

* Introduction to Vertebrates & Fish (h/o)
* Fish Reading (h/o)
* Amphibian Notes
* Amphibian Reading (h/o)
* Reptile Notes (h/o)
* Reptile Reading (h/o)
* Bird Notes (h/o)
* Natural Selection & Evolution Notes
* Mammal Notes (h/o)
* Mammal Reading (h/o)
* Study Guide

**Assignments:**

Assignments 1-34 should be placed behind the divider after this unit.