Unit 4 Study Guide

(Do not write on this!!!!)

1. What is a population?

2. What is a species?

3. Name an animal, state an adaptation that it has and explain how it increases the organism’s fitness.

4. Who was Charles Darwin? What is he famous for?

5. Define Natural Selection.

6. What is the difference between natural and artificial selection?

7. Describe how you could use artificial selection to breed dogs that are really fast.

8. What organism did Darwin observe?

9. What are the three types of natural selection?

10. When would disruptive selection occur?

11. When would directional selection occur?

12. When would stabilizing selection occur?

13. What are homologous and analogous structures?

14. What is a vestigial structure? Give an example.

15. Approximately how old is the earth?

16. Explain why natural selection occurs in populations not individuals.

17. What are Darwin’s four types of evidence of evolution?

18. What is mimicry? What is camouflage?

19. What is biogenesis?

20. How was spontaneous generation disproved?