**Chapter 11 Study Guide Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. What is evolution?
2. Who were the following scientists?
3. Lyell
4. Darwin
5. Lamarck
6. Wallace
7. What was the name of Darwin’s book?
8. What results did the Grants find regarding ground finches on Daphne Major?
9. Give an example of homologous structures. Do these suggest common ancestry?
10. Give an example of analogous structures. Do these suggest common ancestry?
11. What is Hardy-Weinberg equilibrium?
12. List 5 forces that can disrupt Hardy-Weinberg equilibrium.
13. What is sexual selection? Give 2 examples.
14. Give examples of mutation, gene flow, genetic drift, non-random mating and natural selection.
15. What are transition fossils?
16. What changes have horses undergone in their evolution?
17. What are vestigial structures? Give examples.
18. What is embryology? Give an example of how this provides evidence for evolution.
19. What is biogeography?
20. If two organisms have similarity in their DNA, RNA or protein, they are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ than an organism that had more differences.
21. What is the biological definition of a species?
22. What does the term reproductively isolated mean?
23. What is the difference between pre-zygotic and post-zygotic reproductive isolation mechanisms?
24. Give an example of allopatric speciation.
25. What is an adaptive radiation? Give an example.
26. What is polyploidy? What is the difference between autopolyploidy and allopolyploidy.
27. Give an example of sympatric speciation.
28. Be familiar with the vocabulary in the chapter. You can use the last slide in the PPT as a guide.