Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Evolution Reminders

1. What does it mean to say that an animal is the “most fit”?
2. What are the 3 possible types of selection? Draw the graphs!
3. Define “species”
4. Define “gene pool”
5. Define “population”
6. Compare and contrast gradualism and punctuated equilibrium. Draw an example of each.
7. Who are these people and what did they do: Jean Baptiste Lamarck, Charles Darwin, Eldridge and Gould, Alfred Russell Wallace?
8. Describe the 5 ways to change a gene pool
9. Define “speciation”
10. Compare and contrast micro and macro evolution
11. Why are these examples used in evolution: Peppered Moth, Galapagos Finches, Giraffes’ necks? Describe each of these examples
12. Describe the “Inheritance of Acquired Characteristics” (AKA\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)
13. What does DNA have to do with evolution?
14. The accumulation (build-up) of characteristics that improve a species’ ability to survive and reproduce is called adaptation! What is the mechanism for adaptation?
15. Define and provide at least 1 example of the following types of adaptations:
16. Structural
17. Physiological
18. Behavioural
19. Compare and contrast convergent and divergent evolution.
20. Describe 4 types of evidence which support the theory of evolution.