Name:

Population Genetics and Speciation

Ch 16 review- remember this is not everything; this should get you started

1. Define species.
2. Define speciation and explain either how the finches in the Galapagos Islands are a classic example.
3. List and describe four paths of evolution.
4. Draw the diagram showing divergent, convergent, and parallel evolution and label them.
5. Give one example of artificial selection.
6. What are the two types of equilibrium and draw a labeled picture.
7. What are the three causes of variation in the genome?
8. List the five assumptions of the Hardy-Weinberg equilibrium.
9. Write and label the H-W equation.
10. List the five changes in allele frequency.
11. Differentiate between the two types of genetic drift.
12. When is genetic drift the most effective?
13. Define fitness.
14. Draw and label the three types of natural selection.
15. List and describe three types of speciation.