Bio Ch 16 review Population Genetics and Speciation

1. Why is a bell curve useful in population traits?
2. What are the three causes of genotypic variation?
3. What are the five assumptions for an ideal Hardy-Weinberg genetic equilibrium population?
4. What are the five ways populations can evolve?
5. Explain why northern elephant seals who have undergone genetic drift are vulnerable to extinction.
6. Draw and label the three patterns of natural selection.
7. List and define the four types of speciation.
8. Draw and label the two rates of evolution.
9. Give two examples each of prezygotic and postzygotic isolation.
10. Contrast natural selection and sexual selection.