

Chapter 16 Evolution of Populations

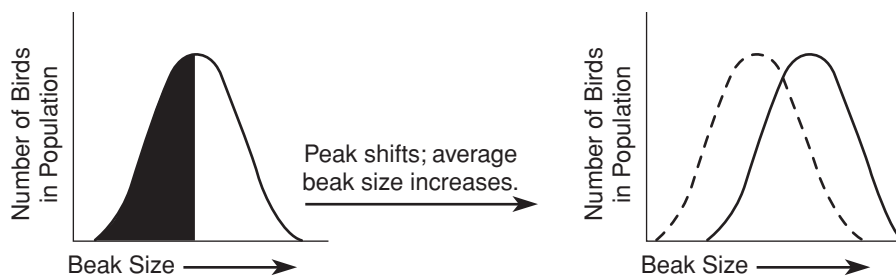
Chapter Vocabulary Review

Completion *On the lines provided, complete the following sentences.*

1. The combined genetic information of all members of a particular population is called a(an) _____.
2. The _____ of an allele is the number of times that the allele occurs in a gene pool, compared with the number of times other alleles occur.
3. A(an) _____ is a trait controlled by a single gene.
4. _____ are controlled by two or more genes.
5. The _____ of an allele of a population is often represented in percentages, such as 40 percent for a specific trait.

Multiple Choice *On the line provided, write the letter of the answer that best completes the sentence or answers the question.*

- _____ 6. A gene pool typically contains
- a. no alleles.
 - b. two or more alleles.
 - c. one allele.
 - d. no more than two alleles.
- _____ 7. The graphs below show changes in the distribution of bird beak size in Galápagos finches during a period when food was scarce. What type of natural selection do the graphs show?
- a. directional selection
 - b. destabilizing selection
 - c. stabilizing selection
 - d. disruptive selection



- _____ 8. The graph below shows the distribution of human birth weights. What type of selection keeps this curve narrow and in the same place?
- a. directional selection
 - b. destabilizing selection
 - c. stabilizing selection
 - d. disruptive selection

