

Chapter 16 Evolution of Populations

Section Review 16-3

Reviewing Key Concepts

Short Answer *On the lines provided, answer the following questions.*

1. When are two species said to be reproductively isolated?

2. Describe the three forms of reproductive isolation.

Identifying Processes *On the lines provided, use the numbers 1–6 to indicate the order in which the following events occurred in the speciation of the Galápagos finches.*

- _____ 3. changes in the gene pool
- _____ 4. continued evolution
- _____ 5. founders arrive
- _____ 6. reproductive isolation
- _____ 7. separation of populations
- _____ 8. ecological competition

Reviewing Key Skills

9. **Applying Concepts** Describe a situation that would result in the sudden geographic isolation of a few members of a population.

10. **Inferring** Suggest one reason that natural selection on the Galápagos Islands produced species that were quite different from the ancestor species on the mainland.
