



Name

Period

Date

SECTION
11.1

GENETIC VARIATION WITHIN POPULATIONS

Study Guide

KEY CONCEPT

A population shares a common gene pool.

VOCABULARY

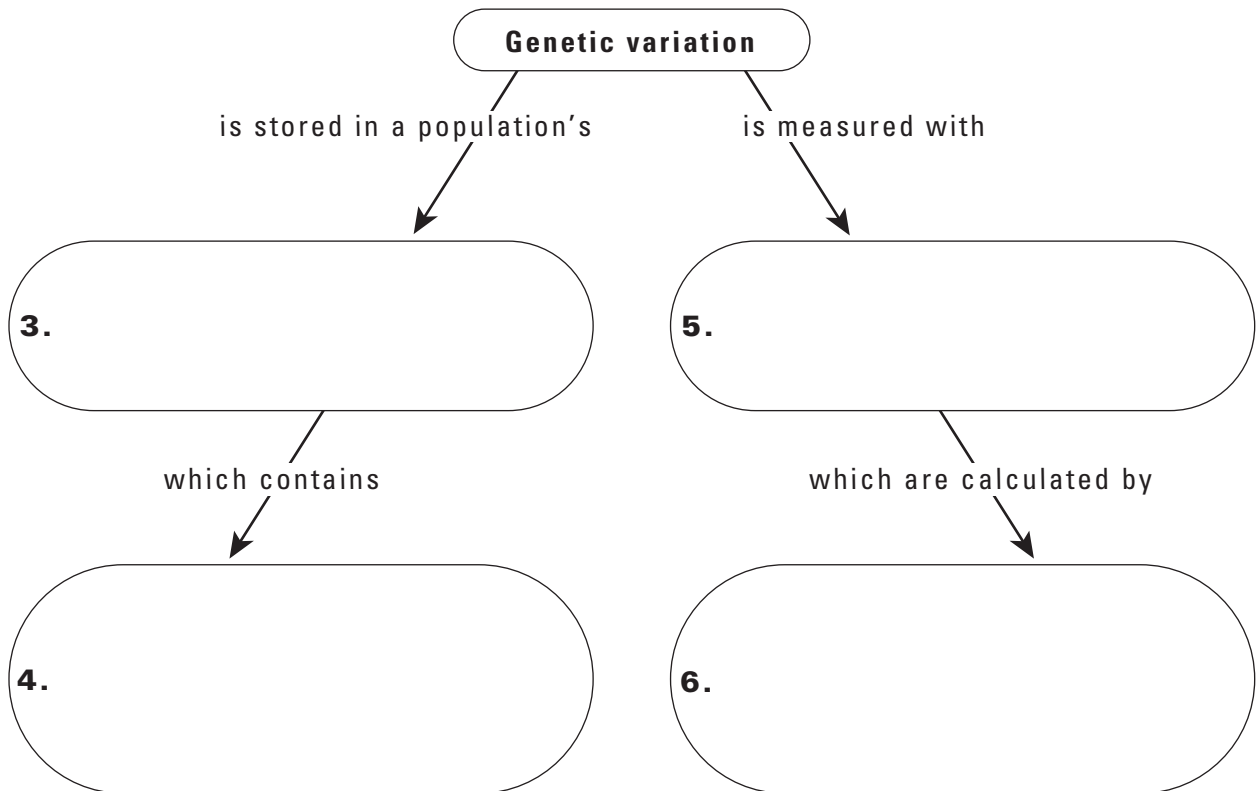
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|------------------|
| gene pool |
| allele frequency |

MAIN IDEA: Genetic variation in a population increases the chance that some individuals will survive.

1. What kind of variation must exist in a population that has a wide range of phenotypes?

2. How can a wide range of phenotypes increase the chance that some individuals will survive in a changing environment?

Fill in the concept map below.



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CHAPTER 11
The Evolution of Populations

Section 11.1 STUDY GUIDE CONTINUED

MAIN IDEA: Genetic variation comes from several sources.

In a phrase, describe how each term below provides a source of genetic variation.

Source	How It Provides Genetic Variation
7. mutation	
8. recombination	
9. hybridization	

Vocabulary Check

10. How is a gene pool like a pool of genes?

11. What does an allele frequency measure?

Be Creative

In the space below, write a logo advertising the importance of genetic diversity to a population.