

Name _____ Period _____ Date _____

Chapter 11.1 Genetic Variation within Populations

Key Concept: *A population shares a common gene pool.*

- What key titles, diagrams, vocabulary words and captions stand out to you?

Reading Questions:

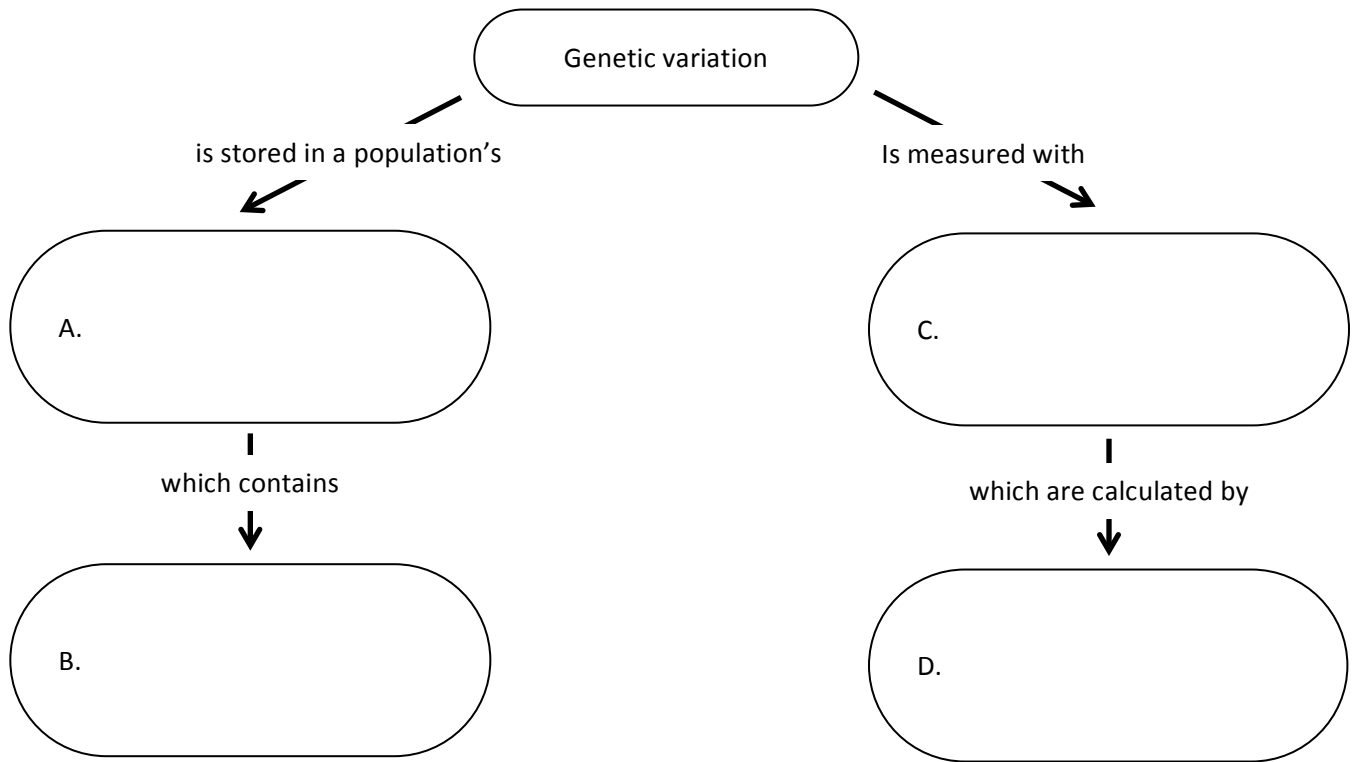
1. What is a gene pool?

2. What is allele frequency?

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

4. Why must a population have genetic variation in order for natural selection to occur?

5. Fill in the concept map below.



6. 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
A. mutation	
B. recombination	
C. hybridization	

7. A certain population of lizards has a very small gene pool, with little variation. How does this affect the chance that individuals of the population will survive changes in the environment?
