

## Chapter 16 Evolution of Populations Test

## Multiple Choice

Identify the letter of the choice that best completes the statement or answers the question.

- If an allele makes up one-fourth of a population's alleles for a given trait, its relative frequency is
  - 100 percent.
  - 75 percent.
  - 25 percent.
  - 4 percent.
- When individuals with an average form of a trait have the highest fitness, the result is
  - not predictable.
  - directional selection.
  - disruptive selection.
  - stabilizing selection.
- Genetic drift tends to occur in populations that
  - are very large.
  - are small.
  - are derived from new species.
  - have unchanging allele frequencies.
- The type of genetic drift that follows the colonization of a new habitat by a small group of individuals is called
  - the Hardy-Weinberg principle.
  - the founder effect.
  - directional selection.
  - stabilizing selection.
- The allele frequencies of a population are more likely to remain unchanged if
  - the population size is reduced.
  - requent movement into and out of the population occurs.
  - all mating is random.
  - the mutation rate increases.
- What situation might develop in a population having some plants whose flowers open at midday and other plants whose flowers open late in the day?
  - behavioral isolation
  - temporal isolation
  - geographic isolation
  - genetic drift
- The Galapagos finch species are an excellent example of
  - speciation.
  - genetic equilibrium.
  - stabilizing selection.
  - selection on single-gene traits.
- The combined genetic information of all members of a particular population is the population's
  - relative frequency.
  - genotype.
  - phenotype.
  - gene pool.
- The two main sources of genetic variation are
  - genotypic and phenotypic.
  - gene shuffling and mutations.
  - single-gene traits and polygenic traits.
  - directional selection and disruptive selection.
- An example of a single-gene trait is
  - a widow's peak in humans.
  - the weight of humans in terms of body.
  - height in humans.
  - beak size in the Galapagos finches.
- The distribution of phenotypes for a typical polygenic trait can often be expressed as
  - a bar graph.
  - a bell-shaped curve.
  - Mendelian ratios.
  - allele frequencies.
- Which of the following is NOT a way in which natural selection affects the distribution of phenotypes?
  - directional selection
  - stabilizing selection
  - disruptive selection
  - genetic drift

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# Chapter 5 Populations Section Review Answer Key

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### **Chapter 5 Populations Section Review**

Biology: Chapter 5: Populations REVIEW. STUDY. Flashcards. Learn. Write. Spell. Test. PLAY. Match. Gravity. Created by. Christy\_Berggren TEACHER. Terms in this set (31) population density. Number of individuals per unit of area. immigration . Movement of individuals into an area occupied by existing population. carrying capacity. Largest number of individuals of a population that a given ...

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### **Chapter 5 Populations Section Review Answer Key**

Chapter 5: Populations Section 5-1: How Populations Grow Characteristics of Populations 1. Geographic distribution (range) 2. Density Population Density: the number of individuals per unit area 3. Growth rate Three factors that affect population size: Number of births Number of deaths Number of individuals that enter or leave the population Immigration: movement of individuals into an area ...

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Chapter 5 Populations. STUDY. Flashcards. Learn. Write. Spell. Test. PLAY. Match. Gravity. Created by. Answers2014. Section Review 5-1 Reviewing Key Concepts Reviewing Key Skills Pearson Education pg.31. Terms in this set (7) Identify four characteristics of a population. Geographic distribution, Density, Growth rate, Age structure . What are the three factors that can affect population size ...

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Chapter 5 Review Multiple Choice Identify the letter of the choice that best completes the statement or answers the question. \_\_\_\_ 1. As resources in a population become less available, the population a. enters a phase of exponential growth. c. increases slowly. b. reaches carrying capacity. d. declines rapidly. \_\_\_\_ 2. In countries like India, the human population is growing a ...

### **Chapter 5 Review - Hanover Area School District**

Chapter 5 Populations Section 5-1 How Populations Grow(pages 119-123) This section identifies the characteristics used to describe a population. It also describes factors that affect population size and explains what exponential growth and logistic growth are. Characteristics of Populations(page 119) 1.

### **Section 5-1 How Populations Grow(pages 119-123)**

Biology Chapter 5 Populations Section Review 5 1. March 12th, 2013 06:30:09 AM . Section 14-3 Modern Biology Study Guide Answer Key Section 14-3 ... Section 15-1 VOCABULARY REVIEW 1. ... limits the populations of all organisms by causing [Filename: Evolution StGd Answers.pdf] - Read File Online - Report Abuse. the lines provided, complete the Nu0026quot;u0026#39;u0026quot;\_ Class Date Chapter ...

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### **Chapter 5 Populations Section Review 1 Answer Key**

Navigate through section 5-1 to fill out your outline. Make sure to click on the “exponential growth” box on the right and the “population activity” box in section 5-1. At the end of section 5-1. Click on blue and green box labeled “section review” and

print it out.

### **Chapter 5: Populations - ahsburton.weebly.com**

Chapter 5 Section 1: Populations & Communities Key Vocabulary Terms . Population A group of organisms of the same species that live in a specific geographical area Adapted from Holt Biology 2008 . Carrying Capacity The largest population that an environment can support at a given time Adapted from Holt Biology 2008 . Content Objectives I will be able to identify: •The importance of studying ...

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