



SECTION 14.4 POPULATION GROWTH PATTERNS Study Guide

KEY CONCEPT

Populations grow in predictable patterns.

VOCABULARY

Table with 3 columns and 3 rows of vocabulary terms: immigration, emigration, exponential growth, logistic growth, carrying capacity, population crash, density-dependent limiting factor, density-independent limiting factor.

MAIN IDEA: Changes in a population's size are determined by immigration, births, emigration, and deaths.

Choose a word from the box below that best completes each sentence.

Word bank box containing: births, emigration, deaths, immigration

- 1. When resources are abundant in a particular area, individuals may move into the population of this area. This movement of individuals into a population from a different population is called \_\_\_\_\_.
2. A very cold winter has left many deer in a population hungry and sick. By the end of the winter, this population will likely decrease because of \_\_\_\_\_.
3. A deer population experiences growth when the rate of reproduction increases. This change in population size is due to \_\_\_\_\_.
4. As humans move into their territory, many members of a deer population move away and join other herds. This movement of individuals out of a population into a new population is called \_\_\_\_\_.
5. How does the availability of resources affect population growth?

Two horizontal lines for writing the answer to question 5.

## Section 14.4 STUDY GUIDE CONTINUED

**MAIN IDEA: Population growth is based on available resources.**

6. In the space below, draw and label the two different types of population growth curves. Write a brief description next to each graph.

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7. What type of population growth curve shows a carrying capacity?

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8. What type of population growth is at risk for a population crash? Explain why.

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**MAIN IDEA: Ecological factors limit population growth.**

8. List three examples of density-dependent limiting factors.

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9. List three examples of density-independent limiting factors.

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**Vocabulary Check**

Explain why each pair of words below are opposites.

10. emigrate/immigrate

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11. density-dependent limiting factor/density-independent limiting factor

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12. exponential growth/logistic growth

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