

## 4.3 Population Growth

### Factors That Determine Population Growth

For Questions 1 and 2, complete each statement by writing in the correct word.

1. Populations \_\_\_\_\_ when more individuals enter the population than leave it.
2. Populations \_\_\_\_\_ when more individuals leave the population than enter it.
3. Explain how a population would be affected when the birthrate is significantly higher than the death rate and there are no changes due to immigration or emigration.

4. Describe how migration and immigration affect the size of a population.

5. Explain how migration causes population size to change cyclically over time.

### How Populations Grow

6. Describe the shape of a graph curve indicating exponential growth and a graph indicating logistic growth.

7. Explain how the availability of resources in the environment is linked to exponential growth of a species.

8. Describe how you can recognize when the carrying capacity for a population occurs on a logistic growth curve.

9. Compare and contrast exponential growth and logistic growth.

# How Populations Grow Guided Answer Key

**Michael Raw, Peter Stiff**



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