

## Chapter

## 4

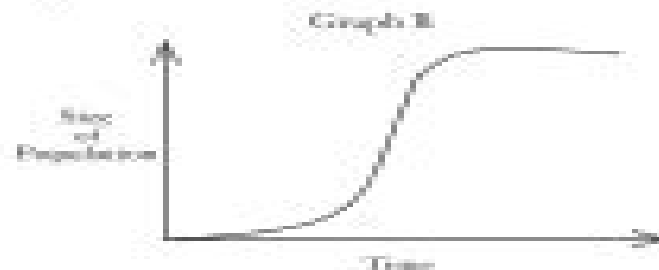
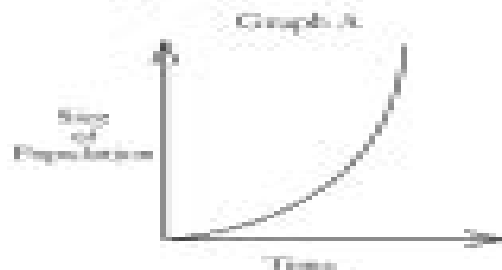
## Population Biology

## Reinforcement and Study Guide

## Section 4.1 Population Dynamics

In your notebook, read about the principles of population growth.

Refer to Graphs A and B below. Answer the following questions.



1. What type of population growth is shown in Graph A? Explain this type of growth.

\_\_\_\_\_

2. Which graph shows the most likely growth of a squirrel population living in a forest? \_\_\_\_\_

3. Which graph shows a population's growth under ideal conditions? \_\_\_\_\_

4. Why don't populations of organisms grow indefinitely?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Use each of the terms below just once to complete the passage.

grows  
above

carrying capacity  
under

below  
deaths

births  
exceed

The number of organisms of one species that an environment can support is called its

(80) \_\_\_\_\_. If the number of organisms in a population is (81) \_\_\_\_\_ the environment's carrying capacity, births (91) \_\_\_\_\_ deaths and the population

(82) \_\_\_\_\_. If the number of organisms rises (90) \_\_\_\_\_ the carrying capacity of the environment, (100) \_\_\_\_\_ will exceed (110) \_\_\_\_\_. This pattern will continue until the population is once again at or (120) \_\_\_\_\_ the carrying capacity.

# Section 1 Populatition Dynamics Answer Key

**L Cohen**



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