

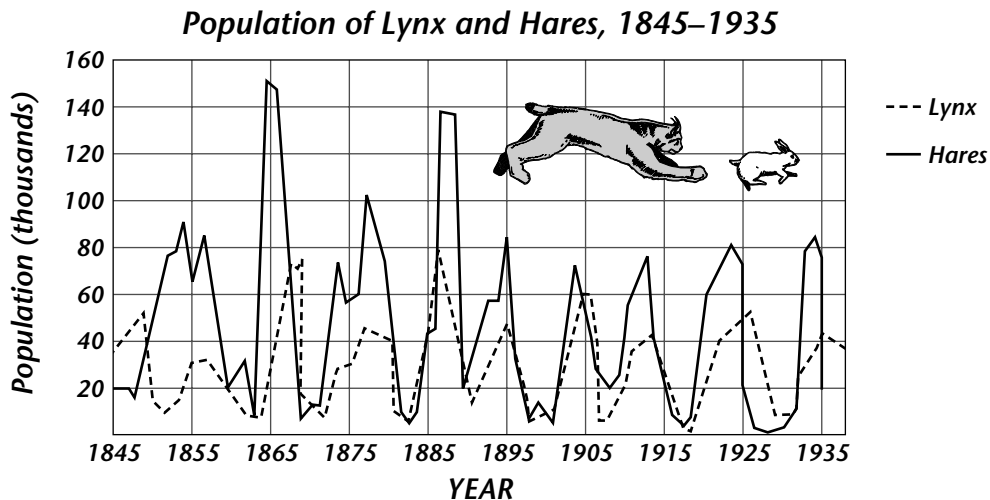
Populations and Communities ▪ *Review and Reinforce*

Interactions Among Living Things

Understanding Main Ideas

Answer the following questions on a separate sheet of paper.

1. How does natural selection produce adaptations in a species?
2. What is an organism's niche?
3. How do adaptations enable organisms to reduce competition for food and other resources?



The graph above shows how the population sizes of lynx and snowshoe hares changed over time. Use the graph to answer Questions 4–7.

4. When the hare population increased, what happened to the lynx population? Why?
5. How do you think an increase in the lynx population affected the hare population? Why?
6. What other factors could have caused a decrease in the hare population?
7. Predict what happened to the two populations between 1935 and 1945.

Building Vocabulary

Respond to the following items on a separate sheet of paper.

8. Define the terms *predation*, *predator*, and *prey* in your own words. Give an example of a predator-prey relationship. Identify the predator and the prey.
9. Name and describe the three types of symbiotic relationships.
10. Define the term *competition*.