(Copy the following lab activity set up in your science notebook.)
Title: Activity 9 Interactions in Communities
Challenge Question: How do organisms interact?

## Background:

Predators and prey have adaptations or physical characteristics that help them survive.

## Vocabulary:

| Term | Definition | Picture or Example |
| :--- | :--- | :--- |
| predator |  |  |
| prey |  |  |
| symbiosis |  |  |
| mutualism |  |  |
| commensalism |  |  |
| parasitism |  |  |
| competition |  |  |

## Materials:

"Ecology and the Environment" book images of different organisms

## Procedures:

1. Read pages 42-49 in Ecology book.
2. Do questions 5, 6, 8-11, and 13-14. Write answers in Data/Results section in science notebook activity set up.
3. Read and follow directions to complete the "Identifying Predator and Prey" lab activity. Create data table and answer all questions on lab activity handout.
4. Do Lesson Review on page 51 questions 1-10. Write answers in science notebook set up in Data/Results section.

Data/Results:
(Write answers to book questions here.)

## Analysis Question:

1. How can an animal be both a predator and prey? Explain.
2. Identify some adaptations that animals have made to help them survive in their role as predators or prey.

Conclusion: How do organisms interact? Use data, evidence and examples from your experiment to support your answer.
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