

1C and 1D Concept Development Activity

- Click on the following link: <http://assignments.discoveryeducation.com/?cdPasscode=T1E94-12C5>
- In the red box with the message: “**Enter Assignment or Progress Zone Code**” type anything in the box for the name (it doesn't matter) - and click on the *GO* icon.
- When the “assignment” window pops up - read the directions, then click on the blue link at the bottom of the box: [Biologix: Interactions and Relationships among Organisms](#)
- Watch the video, pausing when you need to. Add to your reading notes as needed. Also, respond to the following questions/tasks to help you think of certain concepts in new ways.
- Ignore the button that says “complete assignment.”
- Your reading notes, and the Symbiosis PPT on Bb may also help you answer the questions.

1. Construct a Venn diagram for Intraspecific and Interspecific Competition:

2. Describe the principle of competitive exclusion. How would you recognize a graph of this?? Sketch a graph?

3. Why is competitive exclusion relatively rare in ecosystems? What are the benefits of resource partitioning?

4. In what ways do predators affect prey, and prey affect predators?

5. How do you recognize a typical predator/prey cycle graph? Sketch a graph?

6. How would you explain the utter population crash experienced by the reindeer? Discuss in terms of carrying capacity.

7. What is symbiosis? Is predation an example of this?

8. Construct a comparison table for ecological relationships illustrating the types of symbiosis and whether or not the organisms involved benefit:

9. Provide examples of mutualism, commensalism, and parasitism: