Predator-Prey Investigation

Part 1 – Understanding the Terminology

Directions: Refer to the graph and paragraph explanation on the website provided (http://www.algebralab.org/practice/practice.aspx?file=Reading_PredatorPrey.xml) to develop descriptions of the key terms listed below.

Term	Description
Prey	
Predator	
Population	

Part 2 – Applying your Knowledge

Directions: Answer each of the "General Questions" on the website. Check your answers and THEN commit an explanation to this page.

1. Why is there a time delay between the increase in prey and the increase in predators?

2. What would affect the number of hares besides the predators?

3. Why would the number of lynx be controlled by the number of hares?

Carrying Capacity Investigation

Name:_____

Part 1 – Understanding the Terminology:

Directions: Refer to the graph and paragraph explanation on the website provided (http://www.algebralab.org/practice/practice.aspx?file=Reading_CarryingCapacity.xml) to develop descriptions of the key terms listed below.

TERM	DESCRIPTION
Graph	
Capacity	
Population	
Environment	
Species	

Part 2 – Applying your Understanding:

Directions: Answer each of the "General Questions" on the website. Check your answers and THEN commit an explanation onto this page!

1. If the second half of the graph (the fluctuating part) can be classified as logistic growth, what can the first half of the graph be called?

2. What does the purple line represent? What does the blue line represent? What does it mean when the purple line rises above the blue line?

3. Which of the following situations might cause the purple line to decrease below the blue line: abundant food sources, lack of competition, a young population, or plentiful roaming space?

4. Can you think of any events that would cause the purple line to stay above the blue line indefinitely?