

The Predator-Prey Relationship



Part 1: The Meaning & Predicting

- With your tablemates, discuss the information in part 1
 - Define the terms
 - Complete the statements
 - Be ready to share out!!!



Part 1: The Meaning & Predicting

Predator:

an **animal** that hunts & kills another animal for food/energy

Prey:

an **animal** being hunted & eaten by another animal



Part 1: The Meaning & Predicting

(cont.)

If the number of predators increases, the prey will _____ because

_____.

If the number of predators decreases, the prey will _____ because

_____.



Part 1: The Meaning & Predicting

(cont.)

If the number of predators increases, the prey will decrease because

_____.

If the number of predators decreases, the prey will _____ because

_____.



Part 1: The Meaning & Predicting

(cont.)

If the number of predators increases, the prey will decrease because they have a lot of organisms hunting them.

If the number of predators decreases, the prey will _____ because

_____.



Part 1: The Meaning & Predicting

(cont.)

If the number of predators increases, the prey will decrease because they have a lot of organisms hunting them.

If the number of predators decreases, the prey will increase because



Part 1: The Meaning & Predicting

(cont.)

If the number of predators increases, the prey will decrease because they have a lot of organisms hunting them.

If the number of predators decreases, the prey will increase because they aren't being hunted as much.



Part 1: The Meaning & Predicting

(cont.)

*If the number of prey increases, the
predators will _____ because
_____.*

*If the number of prey decreases, the
predators will _____ because
_____.*



Part 1: The Meaning & Predicting

(cont.)

If the number of prey increases, the predators will increase because

_____.

If the number of prey decreases, the predators will _____ because

_____.



Part 1: The Meaning & Predicting

(cont.)

If the number of prey increases, the predators will increase because they have a lot of food available.

If the number of prey decreases, the predators will _____ because _____.



Part 1: The Meaning & Predicting

(cont.)

If the number of prey increases, the predators will increase because they have a lot of food available.

If the number of prey decreases, the predators will decrease because



Part 1: The Meaning & Predicting

(cont.)

If the number of prey increases, the predators will increase because they have a lot of food available.

If the number of prey decreases, the predators will decrease because they don't have a lot of food available.



THINK ABOUT IT....

- Are the predators limiting factors for the prey OR are the prey limiting factors for the predators?
 - Think
 - Partner up at your table
 - Discuss
 - Be ready to report out!



Part 2: The Math

Sketch the shape of a predator-prey graph.

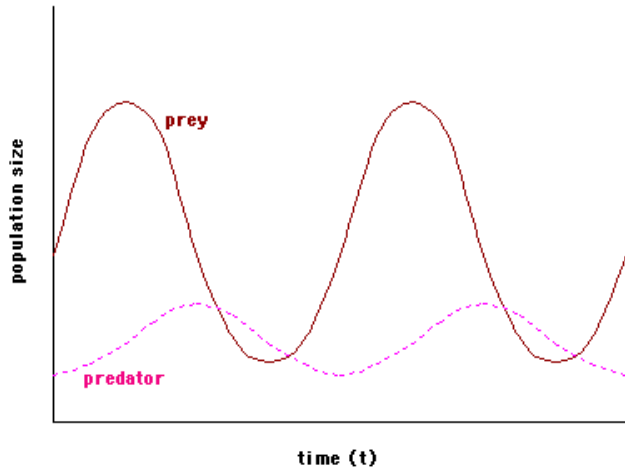
- Use your definitions!!!!
- Use your predictions!!!!
- Use your math knowledge!!!!
- Use your notes!!!!

HINT: You will need TWO lines:
one representing the predator population
one representing the prey population



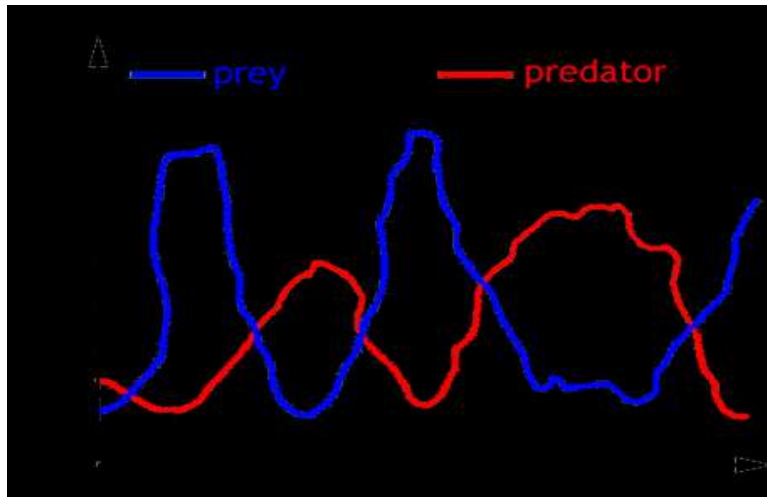
Adjust your sketch!

Predator-Prey Population Graph:



NOTE THE:

- Prey population starts higher than the predator. WHY?
- Prey population drops right about when the predator population rises. WHY?
- Predator population falls when the prey population reaches a low. WHY?



RATE YOUR LEARNING!

- Use the generic scale:

0 = I'm don't get this at all!

1 = I get some of it

2 = I get most of it

3 = I totally get this!

4 = I can help teach someone else this!

- Now, talk at your tables about your learning.
- Can you help someone there?
- Do you need help from someone there?
- Be ready to chat with your teacher!



Part 3: Making Connections:

Look at today & think about yesterday.....

Answer the questions about the graphs
& the Oh Deer! activity.

Be prepared to share!!!

