

Name_

Prey vs. Predators

Data Table

Generation	Prey Type	Predator Type ()	Total Prey Eaten	Prey Survivors	Predator Deaths	Predator Survivors	Predator Offspring
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
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Post-Lab Questions

1. Graph the data from the table above for all 25 generations. Place the predator and prey data (found on the first two columns) on the same axis (*x*-axis) so that the relationship between predator and prey can be easily observed.

- 2. Did some species of "prey" survive and produce more offspring in your group's environment than other prey in the same environment? If yes, why? If no, why not?
- 3. How did the environmental factor that was given to the group by the instructor affect the prey and/or predator populations? (Briefly describe what happened.)
- 4. After graphing the data, explain the relationship between predators and prey as shown by the graph. Be specific.
- 5. *a*. Did the prey species that survived and produced the most offspring in one group's environment survive and produce the most offspring in another group's environment? Why or why not?
 - *b*. How does the answer to 5*a* relate to what happens to populations of organisms in nature when their habitat is changed or destroyed?
 - *c.* Does this ability to survive and produce many offspring in spite of environmental changes apply to human populations as well? Give a specific example from events in the world to explain your answer.

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