

PREDATOR/PREY QUESTIONS

1. What is a predator?
2. What is a prey?
3. What is population biology?
4. What would initial growth in a population look like if graphed?
5. How does the environment limit population growth? Use the term, carrying capacity, in your answer.
6. List density-dependent variables that limit population growth.
7. List density-independent variables that limit population growth.
8. List 3 other variables that limit population growth.
9. An organic farmer does not use pesticides on her farm. Instead of growing one crop on her farm, as many farmers do, she grows ten different crops. Explain how this may decrease insect damage to her plants.
10. Based off the graph, give a time frame when the moose are in a growth phase.
11. Based off the graph, give a time frame when the wolves are in a growth phase.
12. Based off the graph, give a time frame when the moose are in a leveling off phase.
13. Based off the graph, give a time frame when the wolves are in a leveling off phase.
14. Based off the graph, give a time frame when the moose are in a declining phase.
15. Based off the graph, give a time frame when the wolves are in a declining phase.
16. Describe the relationship between moose and wolves and how that relationship is shown by the graph.