

Name: \_\_\_\_\_ Hour: \_\_\_\_\_

## Wolf-Moose Population Questions

Look back at the graph of the wolf and moose populations you created yesterday to answer the following questions.

1. Can the island support an infinite number of moose? Why or why not?
2. If there were no wolves on the island, what would determine the number of moose on the island?
3. Is predation a density-dependent or density-independent limiting factor? Explain your answer.
4. When the moose population increases, what happens to the wolf population? Why do you think this happens?
5. What causes the moose population to decrease? Why?
6. This relationship is called a predator and prey cycle. Why do you think the term cycle is used? Explain your answer.
7. Why do you think the predator-prey interaction is studied so much on Isle Royal?