**Population Dynamics**

*Go to the Population Dynamics Simulation at* [*www.biologysimulations.com*](http://www.biologysimulations.com)

1. Take a few minutes to read the Introduction information and play with the available variables to see how the simulation works and develop ideas for what you can test.
2. Select your experimental question:

How does \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ affect \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\*?

\*Think about what measurements you will record (ex. predator/prey/plant carrying capacity, maximum, minimum, cycles…).

1. Write a hypothesis:
2. Write your procedure. Be sure to specify the tested range of your independent variable, the settings for controlled variables, and number of trials.
3. Prepare a data chart/charts to record your data in.
4. Perform your testing and record results in your chart.
5. Make an appropriate graph to represent your data.
6. Discussion: Describe your data and attempt to explain why the results occurred.
7. Conclusion: Answer your original question based on the data.