**Population Genetics Simulation**

*Go to the Population Genetics 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.
2. Select your experimental question:

How does \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ affect change to allele frequency?

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. Make a chart to record your data. Account for starting and ending allele frequencies. Make sure you have a place for each trial and an average.
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: Based on the data, answer your original question.