

Science 9
M. Lam

Crickets Experiment

Name:

Block:

Some say that if you listen to the sound of a cricket chirping, you can determine the temperature. Is this true or is it just an urban (science) legend? Do any other factors affect how fast a cricket will chirp, such as humidity, wind, atmospheric pressure, or nearby crickets?

Website: biol.co/cricketsci

1. Complete the tutorial.
2. Proceed through the cricket experiment, recording data and key observations.
3. Type a short lab report that includes the following:
 - **Introduction**
 - State the research problem (question)
 - State the Hypothesis
 - List your independent variable, dependent variable and constants (controlled variables)
 - **Data**
 - Organized table(s)
 - Line graph(s)
 - The line graph(s) should be drawn by hand on graph paper, not on the computer.
 - **Analysis**
 - State your conclusions.
 - Indicate whether your experiment has supported or rejected your hypothesis.
 - *Be clear in your analysis about what factor(s) affected cricket chirps and exactly how chirps were affected (i.e. Did they increase, decrease or remain the same?).*