

Name: _____ Date: _____ Period: _____

Scientific Method Cricket Simulation Tutorial Notes

http://www.gc.maricopa.edu/biology/glacier/scientific_method/



Directions:

1. Take notes on what you learned, or key information from each of the sections of the tutorial.
2. When you have completed the tutorial and the note section (below), raise your hand and get the teacher's stamp.
3. Now you may begin the Cricket Experiment on the back page.

Tutorial	What I learned . . . Key Information . . .
Introduction	
Define the problem	
Collect information	
Formulate a hypothesis	
Test a hypothesis	
Draw a conclusion	

Get a stamp from your teacher! _____

Name: _____ Date: _____ Period: _____

Cricket Experiment

Directions: Read and do the tutorial while you record information below

Problem Statement: _____

Collect Information: _____

Circle the Independent Variable you chose: A) Air Temperature, B) Atmospheric Pressure,
C) Humidity, D) Number of crickets nearby, E) Wind speed

Identify the **constant variables and their levels:** _____

Formulate a Hypothesis: _____

Perform the Experiment: Select the variable and test it at 3 different levels. Repeat with a different variable.

1st Data Table

Variable Tested: _____

	Independent Variable	Dependent Variable "chirps"
Trial 1		
Trial 2		
Trial 3		

2nd Data Table

Variable Tested: _____

	Independent Variable	Dependent Variable "chirps"
Trial 1		
Trial 2		
Trial 3		

Conclusion: _____

