

Name: \_\_\_\_\_ Date: \_\_\_\_\_



## Can Crickets Tell the Temperature? (Make up Lab Report)

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? Write a short lab report that includes the following:

1. **Question (2pts):** \_\_\_\_\_

2. **Hypothesis (5pts):** If the \_\_\_\_\_ varies then \_\_\_\_\_.

3. **Procedure (10 pts):** Write a detailed procedure with the steps you would follow to check if crickets respond to changes in temperature? Define your dependent and independent variables.

4. **Data table:** look at the data table provided

Number of Chirps per Minute			
<i>Cricket</i>	<i>15°C</i>	<i>20°C</i>	<i>25°C</i>
1	91	135	180
2	80	124	169
3	89	130	176
4	78	125	158
5	77	121	157
<i>Average</i>	<i>83</i>	<i>127</i>	<i>168</i>

5. **Data Analysis (10pts):** Graph your data. Indicate on the graph your DV and IV (attach to this page).

6. **Conclusion (3pts):** Does the above data table support your hypothesis?