



**Graph:** Create a graph to represent the data collected. Be sure to include the uncertainty in the values plotted. Label the axes with the quantity and units.

**Trend:** Identify the trend in the data by fitting a straight line through the data points. Also find the highest acceptable and lowest fits through the data. Show the calculations of the trends in the space below.

**Result:** Write a statement generalizing the results of your activity. Remember to refer back to the task.

**Errors:** There were a number of reasons for the range of data from trial to trial. Identify **Random** and **Systematic Errors**.

**Random Errors:**

**Systematic Errors:**