**Lab Write-up Format**

**Science 10** **Name:**
**Date:**

## LAB TITLE

**Purpose/Question:**
- General statement describing the relationship that you are trying to determine. List your independent variable, your dependent variable and your controlled variables.

**Hypothesis:**
- An educated guess as to what you think the outcome of the lab will be. Give some reasoning to your educated guess.

**Materials:**
- List the materials you used.

**Procedure:**
- Numbered list of steps carried out in lab. Be detailed and specific.

**Observations:**
- Listing of all measurements taken while performing the experiment (record all quantitative observations for independent and dependent variables using **neatly** drawn data tables – measured constants can be written outside of data tables)
- Listing of qualitative observations made during the experiment (if necessary)

**Analysis:**
- Calculations (either show all calculations OR one sample for each type of calculation) – be sure to include units – include a title for each calculation or each type of calculation
- Graphs – on graph paper, as large as possible, proper scale, axes labeled with units, title (If your graph is straight, calculate the slope and find the y-intercept to write the equation of your line)

**Discussion/Conclusion:**

- What type of relationship existed between your two variables? If it was linear, what do the slope and y-intercept represent? If it isn't linear, how did changing the independent variable affect the dependent variable (describe the relationship using words)?
- Was the relationship what you expected? Why or why not?
- Error discussion – What were some sources of error that could have affected your measurements? If you were to do this lab again, what changes would you make to reduce these errors?