

Name: \_\_\_\_\_ Teacher: \_\_\_\_\_ Period: \_\_\_\_\_ Date Due: \_\_\_\_\_

**Lab Report Worksheet- Have all of the requirements been met?**

- I. Title- Name of the lab, your name, name of the school, period, date, and instructor. This is the coversheet of your report.
- II. Introduction- Describe what concept the lab explores, the main objective of the lab, what actions you performed, and how those actions helped you achieve the lab objective. Also if appropriate, describe your hypothesis and how you arrived at it using the scientific concepts described.

*Hypothesis tool:*

Create your own question that you would like to test.

Question \_\_\_\_\_

Subject \_\_\_\_\_

What is changed \_\_\_\_\_ (x or independent variable)

What is measured \_\_\_\_\_ (y or dependent variable)

Expected results \_\_\_\_\_

If and then statement:

\_\_\_\_\_

- III. Methods/Procedure- Document your experimental procedure in enough detail that someone else could repeat your work. This should include a list of all materials used, a diagram of the lab setup if appropriate, and the steps taken to accomplish the lab (paragraphs preferred, but organized, ordered lists of instructions are acceptable with list items in complete sentences.)

List all materials used.

Steps taken. Provide enough information that another student could easily replicate your work.

IV. Results/Data- Put your data into tables and graphs. Arrange the results section in an organized fashion.

Data Tables. Titled, organized and labeled with units. <i>Example</i>		Graphs. Titled and properly labeled with all areas, provided appropriate units. <i>Example</i>	
Position and Time Table		Position Vs. Time Graph	
Trial	Distance (Meters)	Time (Sec)	Speed (Meters/Sec)
1	1m	1sec	1m/s
2	1m	2sec	1m/s

V. Discussion/Analysis-

Explain whether results support the hypothesis, with supporting details referenced from the results section. \_\_\_\_\_

Explain **why** results support or do not support the hypothesis. \_\_\_\_\_

Discuss any problems encountered, uncertainty in measurements, comparison to others performing the lab, and possible improvement opportunities. \_\_\_\_\_

*Hints: If reports are not type-written, they can be hand-written but MUST be clearly legible. Neatness count. Use Times New Roman or Arial 12 pt font. Write in the 3<sup>rd</sup> person, avoid 1<sup>st</sup> and 2<sup>nd</sup> person references such as I, we, you, and you (understand). Diagrams and graphs MAY be neatly hand-written and glued in place.*

*Adapted from NC State University's LabWrite Program, © 2004 NC State University*