***Draft Report Format***

# Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_

# Lab Partners \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Title:** [Write the name of your investigation; give it a recognizable title.]

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**Problem/Research Question:** [What are you trying to find out? In the final report, rephrase the problem as a purpose (goal) statement.] \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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## o Independent variable [identify the manipulated variable] :

## \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

o Dependent variable **[**identify the responding variable] :

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**Hypothesis:** [Communicate your educated guess or prediction about what you think will happen. Specify how you think the manipulated variable will affect the responding variable.)

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**Experimental Design/Procedure:** [Describe the step-by-step process for completing the experiment. ]

Materials: [List the equipment and materials that you need to do the experiment. Be specific! ]

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Procedures: [List and number the steps to conduct the experiment. Be specific. Include a

control set-up, if appropriate, specify time intervals, need for drawings, how you are going to

record your observations, and clean up. The procedures should be detailed enough to be duplicated by another scientist.]

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Safety Concerns: [Identify any safety concerns applicable to this experiment. ] \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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### Factors to be controlled: [Identify and list all variables that must be controlled (kept the same), to limit sources of error.]

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**Observations:** [Record your data in the appropriate form(s) – tables, graphs, descriptive information, illustrations, etc. Make sure tables, graphs, and illustrations have specific titles that reflect the data . Data should be presented clearly, aligned, and with appropriate labels and units.}

[\*\* **Insert all of your data tables, illustrations, and/or graphs here before the analysis !!**]

**Analysis:** [Summarize and discuss your results (what you find out). Interpret and evaluate the data. Use specific data to support your statements. Identify any significant sources of error that may have affected your results.]

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**Conclusions:** [After analyzing the data, state your findings. The conclusion should answer the research question and must be based on your data. It must also include discussion of the relationship between the independent and dependent variables and whether your hypothesis was supported by the data.]

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**Reflection/Recommendations:** [What did you learn? What problems did you encounter? How would

you design your experiment differently if you were to do the experiment again (e.g., change your

materials? procedures?). Do you have any new testable questions as a result of doing this experiment?]

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