Title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Partners: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

|  |  |  |
| --- | --- | --- |
| **Question:** What are you trying to discover or prove? Must be specific, testable, and in a COMPLETE SENTENCE. | | |
| **Hypothesis:** “IF....(independent variable) is changed.....THEN...(dependent variable) will......” Give a reasonable scientific explanation why you think this will happen. | | |
| **Independent variable** (what have you manipulated?) | | **Dependent Variable** (What are you measuring?) |
| **Controlled Variables** (everything else that stays the SAME in both groups) | | |
| **Materials** (list in point form) | **Procedure** (numbered steps) | |
| **Observations** (Qualitative and Quantitative, Measurements should be in a chart) | | |
| **Analysis and Conclusion (MUST BE IN COMPLETE SENTENCES)**   1. What was the result of your experiment? 2. Did you prove your hypothesis? 3. If not, why not? Did your experiment fail? What were some sources of error?      1. Offer some scientific explanation for the results you observed. 2. What would you change for next time to improve your experiment? | | |