**Name \_\_\_\_\_Period\_\_**

**Scientific Method**

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| **Problem / Question:** Identify the problem or question using complete sentences |
| **Research:** Do you have any background information that can help with the experiment? What do you need to figure out before starting your experiment?  |
| **Hypothesis:** If / Then statement What are you specifically going to test? |
| **Experiment: Materials and Procedures** Dependent Variable:Independent Variable:Materials:Procedures Steps (Be **VERY** detailed)1)2)3)4)5)6)7) |
| **Data Collection:** Create a data table with your Independent Variable and Dependent Variables. THEN Graph using the best way to represent the data. (Bar Graph, Line graph, Pie Chart etc.?**Data Table:****Graph**: |
| **Conclusion**: **1)** Restate Problem (We wondered…), **2)** Restate Hypothesis (It was predicted that…) **3)** accept or reject hypothesis by quoting data ( Based on the data….) **4)** Note any problems that affected data (One problem we noticed…), **5)** One way to correct problem. (Next time we will correct the problem by….)  **6)** conclusion sentence (All in all I learned…) |

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| REVISED Hypothesis: (Based on the data YOU gathered in this experiment)**<<<<<<SCIENTISTS WOULD THEN TEST NEW HYPOTHESIS>>>>>>** |