Rates of Reactions Culminating Lab

Names: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Purpose: [ /2]**

Has the purpose of the lab been clearly stated?

**Hypothesis: [ /5]**

Has the predicted outcome been clearly explained with links to theory of how reactions take place?

**Materials: [ /2]**

Have all the materials used to perform the lab been listed? If there is a unique setup, has it been illustrated?

**Procedures: [ /5]**

Have the steps taken to solve the problem been clearly outlined with proper methods of communication?

**Observations: [ /7]**

Has all data been collected and organized into an easy to interpret table and/or graph? Is there sufficient data to support a conclusion?

**Discussion: [ /15]**

Has the rate of reaction been calculated for all trials? Are the experimental controls and variables explicitly stated and discussed? Has the data been used, in conjunction with theory, to explain the outcome of the lab? If the hypothesis was incorrect, did you explain why? Have experimental errors and possible improvements to design been addressed?

**Conclusion: [ /2]**

Has a conclusion, which links back to the purpose of the lab, been clearly stated?

**References: [ /2]**

Have all references used to explain theory or help in design of the lab been properly referenced. (APA)

Total = /40