

Reaction Rate Lab Write Up

Your lab write up should be typed using MS Word (or similar program). It should have two sections: Data/Observations, and Analysis. Each section should include the information described below.

Data/Observations

1. Create a data table using MS Excel (or similar program) and record the data you collected during the lab. This table should be similar to the one from the pre-lab. **(3 marks)**
2. Plot a graph of volume of hydrogen gas collected vs. time for each of the three parts of the lab. These graphs should be drawn using MS Excel (or similar program). **(9 marks)**

Analysis

Answer the following questions using the data you collected.

1. Calculate the average reaction rate for
 - a) Part A. **(1 mark)**
 - b) Part B. **(1 mark)**
 - c) Part C. **(1 mark)**
2. Rank the three parts of the lab from fastest rate to slowest. **(1 mark)**
3. Using the Collision Theory, explain your answer for question 2. **(3 marks)**