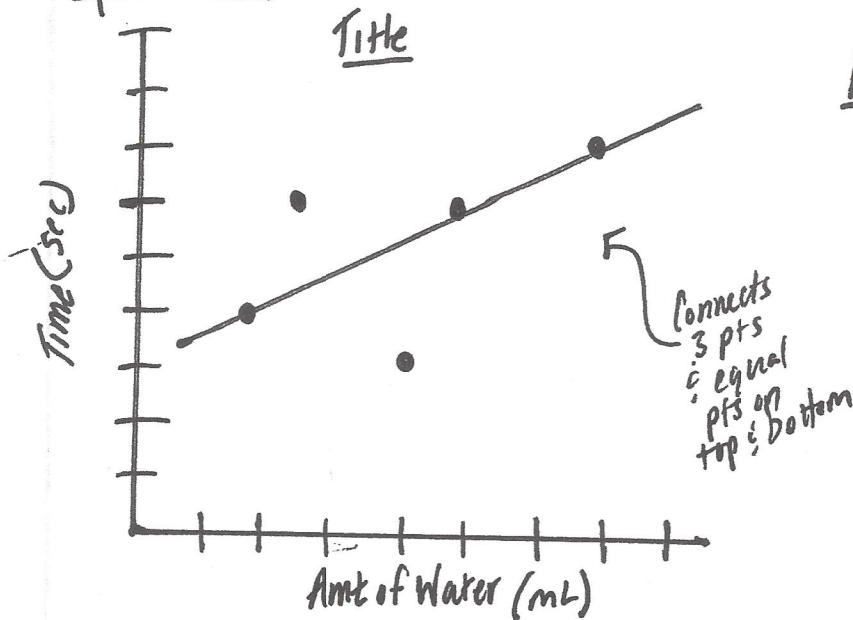


Guide to Lab Report (Day 2)

CLASS SET

Analysis = Analysis of your data. = CALCULATIONS & GRAPHS
Graphs!! Line, Scatter, Bar, Pie

Ex:



Best Fit Lines Rules

After plotting points on the graph:

- ① Draw Straight Line through the maximum # of points, while balancing roughly an equal # of points above and below the line.
- ② It should not be "Connect the dots"

Conclusions = (What you should include)

- * Demonstrate that you understand the experiment you just did.
- Summarize the RESULTS.
- Did the results accept or reject your hypothesis?
- Use your data analysis to explain whether the hypothesis was accepted or rejected.
- If applicable, compare your measurements to expected values and calculate experimental error.
- State possible reasons for error and bias and the potential impact they might have on the results.
- Explain what you learned from doing the lab.

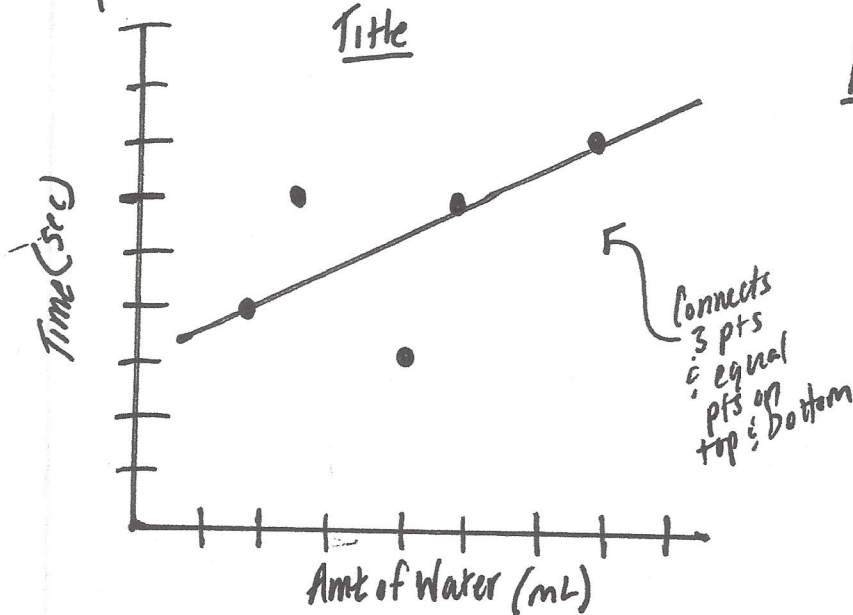
To Calculate Percent Error: $PE = \frac{\text{Measured Value} - \text{Predicted Value}}{\text{Predicted Value}} \times 100$

Guide to Lab Report (Day 2)

CLASS SET

Analysis = Analysis of your data. = CALCULATIONS & GRAPHS
Graphs!! Line, Scatter, Bar, Pie

Ex:



Best Fit Lines Rules

After plotting points on the graph:

- ① Draw Straight Line through the maximum # of points, while balancing roughly an equal # of points above and below the line.
- ② It should not be "Connect the dots"

Conclusions = (What you should include)

- * Demonstrate that you understand the experiment you just did.
- Summarize the RESULTS.
- Did the results accept or reject your hypothesis?
- Use your data analysis to explain whether the hypothesis was accepted or rejected.
- If applicable, compare your measurements to expected values and calculate experimental error.
- State possible reasons for error and bias and the potential impact they might have on the results.
- Explain what you learned from doing the lab.

To Calculate Percent Error: $PE = \frac{\text{Measured Value} - \text{Predicted Value}}{\text{Predicted Value}} \times 100$