Formal Lab Report Rubric

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| Section | Excellent | Competent | Evolving | Needs Support |
| Objective/Hypothesis | Name, Date, Lab PartnerWrites a statement of the purpose of the lab.States a hypothesis that is based on sound reasoningTitle is relevant.Hypothesis (prediction) is testable. | One of the"excellent"conditions is notmet | Two of the "excellent"conditions are not met | Three of the"excellent"conditions are notmet |
| Materials and Procedure |  Materials listed with amounts Step-by-step summary of how the experiment was performed with credit to original procedure Note deviations from published procedure and any errors made Needed safety equipment and precautions are mentioned | Materials listed and experiment summarized but no credit given, OR no safety information | No materials listed, a description or step by-step list of how theexperiment wasperformed | Descriptionunclear, couldn'tbe repeated |
| Qualitative/ Quantitative Data |  Any data tables are presentLabeled correctlyData are clearly recorded, organized so it is easy for the reader to see trends.Written description present | Data are clearand labeled, but missing units | Data are unclear,missing one form of data, calculated results are mixed with data | Data arepresent, thoughtoo disorganized orpoorly recorded tomake sense. |
| Calculations and Graphs | Lab report has needed graphs with correct labels, unit, and title Lab reports must contain at least one sample calculation of each type you are required to do.You should have the general formula used in the calculation.Complete the formula used in the calculation with the correct numbers & units included.Your answer should include the correct units and the correct number of significant figures.If there are no sample calculations write NONE | Graph is present, but one of the "excellent"conditions is notmet | Graph is present, but two of the "excellent"conditions are not met | Graph is missing OR Three of the"excellent"conditions are notmet  |
| Results |  Correctly labeled tables of results with proper sig digs and units.Results clearly recorded and organized so it is easy for the reader to see trends.Written description present | Results are clearand labeled, trendsare not obvious | Results are unclear,missing labels, trendsare not obvious at all | Results arepresent, thoughtoo disorganized orpoorly recorded tomake sense |
| Conclusion/Extensions | Summarizes the essential data used to draw conclusionsConclusions follow data (not wild guesses or leaps of logic),Discusses applications of experiment ("real world" connections)Hypothesis is restated and rejected or accepted based on the data.Discussion of any errors that could have affected results  | Analysis somewhatlacking in insight,enough data,one “excellent condition” missing | Analysis lacking ininsight, not enoughdata was gathered toestablish trends, ORanalysis does notfollow data | Analysis poor, notenough data,inaccurate analysis |
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