

High School Science Lab

Introduction			
1 Introduction present, no exemplary conditions met	2 Two of the "excellent" conditions is not met , one is met	3 One of the "excellent" conditions is not met, two conditions met	4 1. Includes the question to be answered by the lab 2. states hypothesis that is based on research and/or sound reasoning 3. title is relevant.
Hypothesis			
1 No hypothesis has been stated.	2 Hypothesized relationship between the variables and the predicted results has been stated, but appears to be based on flawed logic.	3 Hypothesized relationship between the variables and the predicted results is reasonable based on general knowledge and observations.	4 Hypothesized relationship between the variables and the predicted results is clear and reasonable based on what has been studied.
Materials			
1 Many materials are described inaccurately OR are not described at all.	2 Most of the materials and the setup used in the experiment are accurately described.	3 Almost all materials and the setup used in the experiment are clearly and accurately described.	4 All materials and setup used in the experiment are clearly and accurately described. Drawings included as appropriate.
Procedures			
1 Procedures do not accurately list the steps of the experiment.	2 Procedures are listed but are not in a logical order or are difficult to follow.	3 Procedures are listed in a logical order, but steps are not numbered and/or are not in complete sentences.	4 Procedures are listed in clear steps. Each step is numbered and is a complete sentence.
Data/Analysis			
1 Results are disorganized or poorly recorded, do not make sense ; not enough data was taken to justify results	2 Results are unclear, missing labels, trends are not obvious, disorganized, there is enough data to show the experiment was conducted	3 Results are clear and labeled, trends are not obvious or there are minor errors in organization	4 Results and data are clearly recorded, organized so it is easy for the reader to see trends. All appropriate labels are included
Conclusion			
1 1 of the 4 excellent conditions met	2 2 of the 4 excellent conditions met	3 3 of 4 of the "excellent" conditions is met	4 1. Summarizes data used to draw conclusions 2. Conclusions follow data (not wild guesses or leaps of logic), 3. Discusses applications or real world connections 4. Hypothesis is rejected or accepted based on the data.