

Let's Make Chalk Lab Rubric

Prelab Report

| 5 | 4 | 3 | 2 | 1 |
|--|--|---|---|--|
| List of all possible balanced reactions | List 90% of all possible balanced reactions | List 80% of all possible balanced reactions | List 70% of all possible balanced reactions | List 60% of all possible balanced reactions |
| List cost for all possible reactants | List cost of 90% of possible reactants | List cost of 80% of possible reactants | List cost of 70% of possible reactants | List cost of 60% of possible reactants |
| Procedure contains proper names and sizes of equipment and amounts for reactants | Procedure missing proper names and sizes of equipment or amounts for reactants for a few items | Procedure missing proper names and sizes of equipment or amounts for reactants throughout | Procedure missing proper names and sizes of equipment and amounts for reactants | Procedure missing names of equipment and reactants |
| Procedure is complete and easy to follow | Procedure is incomplete or slightly difficult to follow | Procedure is incomplete and slightly difficult to follow | Procedure is incomplete and difficult to follow | Procedure is confusing to follow |
| Prelab report was submitted on time, typed or neatly in ink | Submitted on time, but not neat | Submitted 1 day late, neat | Submitted 1 day late and not neat | Submitted 2 days late |
| Choice of reaction and an explanation | Reaction selected with some explanation | Reaction with poor explanation | Reaction selected with no explanation | Reaction not selected |
| Data table typed or neatly drawn in ink ready to hold all data collected as well as calculated answers | Missing places for a few pieces of information | Data table hold all data, but not neatly drawn | Data table not neat and missing places for pieces of data | Not turned in prior to lab day |

Final Report Rubric

| 5 | 4 | 3 | 2 | 1 |
|---|--|--|--|---|
| The procedure used to test these reactions. Both the original and the edited final draft. | Original procedure turned in and final procedure contains most changes | Original procedure not turned in, but final procedure contains most changes | Final procedure is not complete or updated. | No final procedure turned in |
| The calculations for the yield and % yield for your reaction. Contains the balanced equation for your reaction | Calculations missing one of the following: balanced equation, yield calculations or % yield calculations | Calculations missing 2 of the following: balanced equation, yield calculations or % yield calculations | Calculations missing 3 of the following: balanced equation, yield calculations or % yield calculations | Calculations not present or not able to be followed |
| Your original data table completed and a data table that includes the yield and % yield reported by every group in your class | Your original data table is missing some data. Your class data table is included | Your original data table is included, but the class data table is missing | Both data tables are missing data | Data tables are missing |
| The cost to produce 1 kg of chalk, including the calculations. | Cost is included, but calculations are incomplete | Cost is included, but calculations are difficult to understand | Cost is included without calculations | No cost is included |
| A summary of possible errors and ways to improve the experiment next time. | A few errors are listed without relating them to the final results | Errors are listed without ways to improve the experiment | Errors are not mentioned, but ways to improve the experiment are | Neither errors or possible improvements are mentioned |