

Tags

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Lab Format

Title: what the lab is about

Background: some information to give context to your reader

Purpose: what you hope to study

Materials: everything needed for the experiment

Procedure: what you do with these things to study the purpose

Data: any numbers, charts, tables or information using numbers

Observations: anything not explained by your numbers above

Error Analysis (optional, but required in college): what went wrong, possible reasons or explanations, when proving something or synthesizing something, what is your yield, percent error, and why

Conclusions: think back to your purpose—what did you discover, how would you improve upon this in the future, what lessons could be shared with others?

Example:

Title: Making Chocolate chip cookies

Background: Home made chocolate cookies are the best, so making them at home is a necessary skill

Purpose: To make chocolate chip cookies at home

Materials: flour, sugar, butter, sugar, vanilla, sugar, chocolate chips (nuts optional, but yucky)

Procedure: Pre-heat oven to 550°F, mix ingredients, test for taste, put blobs on greased cookie sheet and bake for 45 minutes.

Data: 12 totally burned cookies, 25 grams each

Observations: cookies were burnt to a crisp, inedible and quite stinky

Error analysis: temperature was too high, baking time was too long

Conclusions: next time we try this, we should reduce temp and cooking time