

Rubric for Crushed Can Lab

Introduction/Question/Problem (5 pts)

- Intro/Question/Problem includes Aluminum Products Inc. and mission of team
- Includes everything that had to be done from beginning to end of lab

Data (25 pts)

- (10 pts) All prelab answers are clearly incorporated into the data
- (5 pts) Data Collected on Volumes shown/explained with proper sig-figs
- (5 pts) Explanation of which gas law to use and why it can be used if certain circumstances are controlled
- (5 pts) Calculation of V_2 with math formula as well as calculation of change in volume with proper sig-figs and units

Hypothesis (5 pts)

- (5 pts) Includes all 4 quantitative data pieces to predict change in volume and explanation of why the law chosen is used for the experiment and should work.

Experimental Procedure (15 pts)

- (5 pts) Diagram of lab setup included in the experimental procedure section
- (5 pts) Step by step directions explained with explanation of things that needed to be done at each step along the way to make it work (remember some of attempts failed)
- (5 pts) New data collected shown/explained with proper sig-figs and units

Analysis (10 pts)

- (5 pts) Average volume of the cans is shown and the change in volume is calculated with proper sig-figs and units
- (5 pts) Percent Yield formula is shown and calculated with proper sig-figs and units

Conclusion (25 pts)

- (15 pts) All 5 aspects of the RERUN are addressed and explained in full detail
- (10 pts) Includes rational and steps company should take moving forward

Formatting (15 pts)

- (5 pts) Title Page with proper information present
- (5 pts) Written entirely in 3rd person and present tense
- (5 pts) Spelling/Grammar/Font/Margins/Spacing all appropriate and accurate