

Example Purpose and Conclusion Chemistry

PURPOSE: **The purpose of this experiment is to determine** the mass ratio that magnesium and oxygen react in (What) by heating the magnesium in a crucible and making careful mass measurements (HOW).

CONCLUSION: The mass ratio that magnesium and oxygen react in was determined (WHAT) by heating the magnesium in a crucible and making careful mass measurements. (HOW) The ratio was calculated to be 1.72gMg/1.00gO (RESULT). **This represents an error of 13.20% compared to the actual** ratio of 1.52. **One source of error may be** that the magnesium was not heated long enough so that the reaction was complete resulting in a ratio with too much magnesium (SOURCE).

A few things to notice:

1. No pronouns were used
2. WHAT, HOW are all in one sentence
3. HOW: is NOT a repeated summary of the whole procedure it is one sentence describing the METHOD used.
4. The RESULTS answers the WHAT. This is not DATA! This will not be found in your data table yet in the calculations & analysis you make OF the data.