

Lab Report Guide

8th Grade

What goes in each section of a lab report, and how to write a conclusion that scores.

Title

What was tested, in one specific line — not "Experiment 3".

Question

The exact question the experiment answers.

Hypothesis

If ... then ... because ... — a prediction with a reason.

Variables

Independent (changed), dependent (measured), controlled (kept the same).

Materials

Everything, with quantities. Another class should be able to repeat it.

Procedure

Numbered steps, past tense, no explanation — just what was done.

Data

Table first, then a graph. Label every axis with units.

Analysis

What the numbers show. Trends, not opinions.

Conclusion

Answer the hypothesis using the data. Say whether it was supported.

Error & next steps

What could have skewed it, and what you would change.

A CONCLUSION THAT SCORES

"The hypothesis was supported. Plants in full light grew 6.2 cm on average, compared with 2.1 cm in shade — a difference of 4.1 cm over 14 days."

State the verdict · cite the numbers · never introduce new claims.