



How to write a scientific report

Use this as a guide to writing your scientific report.

Title

- The heading of your report. Include the date and who did the experiment.

Aim

- The purpose of your investigation in 1 – 2 sentences.

Hypothesis

- An educated guess in 1 – 2 sentences about what you think is going to happen.
- Base your guess on your secondary data.

Methodology

- An outline of the method used to do your investigation, with numbered steps.
- Include an equipment list (size & quantity) and risk assessment.
- Include a labelled diagram to show how the experiment was set up.

Results

- A summary of your primary data gathered in the field.
- Include raw data and your sketches, diagrams and observations.
- Collate and present data in table and/or graph.

Discussion

- An essay about what you discovered during the experiment. Include:
 - an introduction statement and define any terms
 - a body that compares and explains the primary and secondary data to the aim or hypothesis
 - explanations of what was difficult or what went wrong and how you overcome problems.
 - ideas for further experiments.

Conclusion

- A statement answering the aim and whether the hypothesis is supported or not.
- Include a short summary of evidence and any recommendations or future actions to be taken.