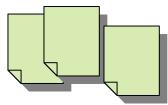
Writing a Scientific Lab Report Outline



Witting a Scientific Lab Report Outility
The Introduction should:

	 move from broad to narrow topic (the hypothesis) state the problem/reason topic is of interest include at least one prior research referenced in a sentence provide background information with a clear sense of direction. include intext citations throughout the introduction. state the justification/significance of the study. state clear objectives and write a hypothesis as the last sentence of the introduction.
Introduction	Outline:
Beginning =	1. Problem/reason topic is of interest
	2. Recent studies show
	3. Research done byfound that
Middle = R	elevant Points
	1. Main Point
	a. Explain
	b. Explain
	1. Main Point
	a. Explain
	b. Explain
	1. Main Point
	a. Explain
	b. Explain
End = 1. ob	pjectives: (The purpose of this experiment)
	ate the hypothesis:

Writing a Scientific Lab Report Outline

The Materials and Methods Section should:

Be narrated in past tense (not 1 st person – tell what was done, not
what reader should do).
Be written in enough detail for someone else to repeat the
experiment.
Include sample sizes.
Indicate the number of trials for each run.
Identify the experimental and control groups.
Not contain any of the results.
Include methods of analysis and statistical evaluation given.
Include subtitles of separate procedures when appropriate (e.g.,
prepping agar).

☐ Avoid beginning sentences with numbers.

☐ Use of setup diagram is okay when appropriate.

- o Don't: 50 mLs of Di-water was added to solute in a flask
- o Do: Agar solution was prepared by adding 50 mLs of Di-water to an Erlenmeyer flask containing 3g of agar powder.

Writing a Scientific Lab Report Outline

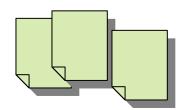
group).



The **Results** Section should:

Present data in text and in added tables, figures, and graphs.
Tables, figures, and graphs are referenced within text (figure 3).
Simply state facts and be written without comments, bias, or
interpretation.
Include the statistical tests that where applied to the data.
Patterns and trends (e.g., eighty percent of the original control





The **Conclusion** Section should:

Starts out narrow and expands to broader implications of study.
Interpretations and speculations are with references of information
presented.
Support or lack of support for original hypothesis is well defined.
Shortcomings of experiment and any unexpected findings are
pointed out.
The biological significance and import implications of the results
are established.
Suggestions for further studies based on the results obtained are
defined.
References to other work in this area are cited.