**[](http://www.clker.com/clipart-chemsitry-lab.html%22%20%5Ct%20%22_blank)Title:** \* a brief, concise, yet descriptive title

**Aim:**

* State the purpose of the experiment.
* What question(s) are you trying to answer?
* Include any preliminary observations or
background information about the subject

**Hypothesis:**

* Write a possible solution for the problem.
* Make sure this possible solution is a complete sentence.
* Make sure the statement is testable, an ‘if-then statement’ is recommended to illustrate what criteria will support your hypothesis (and what data would not support the hypothesis).
* State reasons to justify your hypothesis.

**Materials:**

* Make a list of ALL items used in the lab.

**Procedure:**

* Write a paragraph (complete sentences) which explains what you did in the lab as a short summary.
* Add details (step-by-step) of your procedure in such a way that anyone else could repeat the experiment.

**Results** (Data):

* This section should include any data tables, observations, or additional notes you make during the lab.
* You may attach a separate sheet(s) if necessary.
* All tables, graphs and charts should be labelled appropriately.

**Discussion:**

* Include a summary of the data – trends, averages, highest, lowest etc to help the reader understand your results. Try not to copy your data here, you should summarize and reference KEY information.
* List one thing you learned and describe how it applies to a real-life situation.
* Discuss possible errors that could have occurred in the collection of the data (experimental errors)

**Conclusions:**

* Accept or reject your hypothesis.
* EXPLAIN why you accepted or rejected your hypothesis using the experimental data.­