**Lab Report Format**

**Question:**

* Your question should allow you to find the answer through scientific experimentation.
* Example: Under which color light; red, green or blue, will plants grow best?

**Hypothesis:**

* Your prediction written in an " If....Then..." statement.
* Must be related to question.
* example: If I grow plants under red, green and blue lights, then the plants under the green light will grow best.

**Independent Variable:**

* something you change on purpose
* example: color of light

**Dependent Variable**:

* something that changes because you changed something (effect)
* example: (plant growth is dependent variable because it depends on light)

**Materials:**

* List all the materials (and amounts) needed to conduct experiment (not necessary to list pencil and notebook)

**Procedures:**

* Step by step how to conduct the experiment.
* Can be a numbered list in order.

**Observations:**

* A detailed written account of what you observed during the experiment.
* Raw data collected during the experiment (measurements, times, temperatures, etc.)
* Any charts/graphs/tables that you organized the data into.

**Conclusion:**

* Did you prove or disprove your hypothesis?
* What factors or difficulties occurred that may have impacted your findings?
* How would you change your experiment to make it better?
* What did you learn from this experiment?