# **Writing your Report**

NAME

## TITLE and DATE

## **Introduction:**

## A discussion of the topic and relevant information (include references within the introduction).

This may include specific past research on your chosen variable.

## **Hypothesis:**

## A short statement, making a prediction about how one variable will affect another variable.

## **Materials:**

## List of materials written so that anyone else could repeat your experiment exactly.

## **Procedure:**

## Listed in numbered steps so that anyone else could repeat your experiment exactly.

## Draw a diagram using a ruler and pencil. (If applicable) Photos are also acceptable.

**Results**:

A table of data including all trials and an average measurement.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Independent  Variable (units) | Dependant Variable (units) | | | |
| Trial 1 | Trial 2 | Trial 3 | Average |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Describe any patterns/trends in your results, but don’t explain why you think they occurred (save this for the discussion).

Think what type of graph will you draw and why.

Plot the average results not all the trials.

## TITLE – relates the two variables

Dependent variable

(units)

Independent variable (units)

**Discussion**:

Was your hypothesis supported?

Use scientific explanations to explain why the results occurred.

If the hypothesis was not supported or the results were unusual, try to explain why.

Was there any measurement error or instrument inaccuracy?

Was the experiment reliable? (consistent results) Were there enough trials to get a reliable result? Were there any outliers? How would you improve thisin a repeat experiment?

Was the experiment valid? (did it test what it was meant to?) Were there any variables which were not controlled well and if so how would you improve this in a repeat experiment?

Do the results raise any other questions or cause for further investigation?

**References:** A list of references written correctly according to the library guide