Writing your Report Template
TITLE and DATE

Problem: Identify the problem

Hypothesis: A short statement, making a prediction about how the independent variable will affect the dependant variable. (A short statement of the relationship between the two variables.)

Variables:
- o Independent or manipulated variable ("I" change)
- o Dependent or responding variable (measured)
- o The controlled variables, or variables that you kept the same. (Say how you kept these the same.)

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

Method: Listed in steps so that anyone else could repeat your experiment exactly.

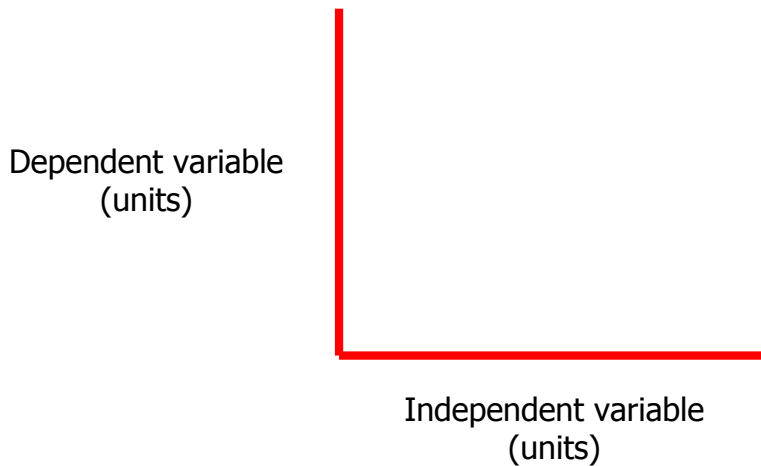**Diagram:** Use a ruler and pencil.

Results:

TITLE

Independent variable (units)	Dependent variable (units)			
	Trial 1	Trial 2	Trial 3	Average

Graph: What type of graph will you draw and why?

Plot the **average** results

TITLE – relates the two variables

Dependent variable
(units)

Independent variable
(units)

Conclusion:
- What do your results show?
- Sate the relationship between the variables.
- Describe any patterns or trends in the data.
- Explain, using science ideas why there could be this trend.

Evaluation of method:
- State whether or not your hypothesis was supported.
- What difficulties did you have in measuring the variables accurately?
- How reliable are your results?
  - ◆ Why did you do three trials?
  - ◆ Why did you calculate averages?
  - ◆ Were your sample sizes big enough?
  - ◆ Was there a significant difference between your results?
  - ◆ What did you do to control the other variables properly?
- Use scientific language and concepts to describe what you have learned from this investigation.

Bibliography / References