



Writing up experiments

- Aim** This is a statement that tells the reader what you are intending to find out in your investigation
- Method** Your method is descriptive. It tells the reader how to carry out the experiment that you have done in exactly the same way. It should be clearly written, using good English and the correct scientific terms. Don't write this in the first person - instead of 'I collected three test tubes' you should write 'Collect three test tubes'. Where it is appropriate, your method should have clear diagrams to show how to set up the equipment used.
- Results** Present these in an appropriate table which include all of the units that the measurements were taken in (minutes, seconds, °C etc.). The results should be analysed using an appropriate graph - the graph to be used depends on the independent variable.
- Conclusion** This needs to refer back to the aim of the investigation, and tells the reader whether or not your investigation can answer the problem posed. The results and graph should be used to support your conclusion.
- Evaluation** An evaluation is used to tell the reader of any improvements that may be needed with a particular experiment. You should also include reasons for these changes, using any anomalous (strange) results to support the evaluation.

0 marks each

2 marks each

5 marks each

	<i>0 marks each</i>	<i>2 marks each</i>	<i>5 marks each</i>
Method (written)	Does not contain enough detail to be followed.	Contains enough detail to be followed with a rough understanding of the practical.	Contains enough detail to be easily followed. How to use the equipment is clearly described.
Method (diagrams)	Diagram is scruffy and only partially labeled.	Set up of the equipment is shown and labeled. Diagram is drawn using pencil.	Set up of the equipment is clearly shown and labeled. Diagram is neatly drawn using pencil & ruler.
Results & analysis	Results are not recorded accurately (table has no units). Graphs are drawn freehand, a sensible scale is not used. Points are not plotted correctly, and are joined as dot-to-dot.	Results are recorded reasonably accurately (units included). Graphs are drawn using a ruler, axes are labeled with units.	Results are recorded accurately (1 or 2 dp as necessary, units included). Graphs are drawn using a ruler, with points plotted accurately. Axes are labeled with units. LOBF is drawn if appropriate.
Conclusion & evaluation	Conclusion & evaluation are incomplete or missing.	A simple conclusion is made that briefly refers to the results. Evaluation suggests improvements.	Results are used to support the conclusion. Evaluation suggests reasons for needing improvements as well as improvements needed.