

Investigation Practice

September 25, 2014

You should write up the experiment up fully. You should include: your plan, detailing the steps you took to minimise uncertainty; a description of the apparatus involved; your data, properly presented; relevant graphs; analysis, including calculation of values where possible; conclusion. You will be marked on the following criteria:

Approach and Experimental Skill Your initial plan including your analysis of the underlying physics. The care taken with your method, particularly techniques used to reduce errors (NB you must discuss these in your write-up)

Quality and presentation of results A good range of data must be taken including repeated observations where necessary. The data must be correctly displayed in tables and graphically, including best fit lines and error bars.

Conclusions and Evaluation Clear conclusions must be made, backed up by a detailed discussion of the results. Uncertainties should be taken into account and the limitations of the procedure discussed.

PS