

Peer Edit for Evaluation (New IA 2017)

Author Name: _____ (full name)

Editor Name: _____ (full name)

What is the research question for this lab? Please write it here:

Evaluation

This criterion assesses the extent to which the student's report provides evidence of evaluation of the investigation and the results with regard to the research question and the accepted scientific context.

Mark	Descriptor
0	The student's report does not reach a standard described by the descriptors below.
1-2	<p>A conclusion is outlined which is not relevant to the research question or is not supported by the data presented.</p> <p>The conclusion makes superficial comparison to the accepted scientific context.</p> <p>Strengths and weaknesses of the investigation, such as limitations of the data and sources of error, are outlined but are restricted to an account of the practical or procedural issues faced.</p> <p>The student has outlined very few realistic and relevant suggestions for the improvement and extension of the investigation.</p>
3-4	<p>A conclusion is described which is relevant to the research question and supported by the data presented.</p> <p>A conclusion is described which makes some relevant comparison to the accepted scientific context.</p> <p>Strengths and weaknesses of the investigation, such as limitations of the data and sources of error, are described and provide evidence of some awareness of the methodological issues* involved in establishing the conclusion.</p> <p>The student has described some realistic and relevant suggestions for the improvement and extension of the investigation.</p>
5-6	<p>A detailed conclusion is described and justified which is entirely relevant to the research question and fully supported by the data presented.</p> <p>A conclusion is correctly described and justified through relevant comparison to the accepted scientific context.</p> <p>Strengths and weaknesses of the investigation, such as limitations of the data and sources of error, are discussed and provide evidence of a clear understanding of the methodological issues* involved in establishing the conclusion.</p> <p>The student has discussed realistic and relevant suggestions for the improvement and extension of the investigation.</p>

What grade (out of 6) would you give just the EVALUATION section (best fit approach) of this lab? _____

Based on the rubric above, write comments to the author. Try to provide detailed suggestions regarding:

a. CONCLUSION (Clear? Is the conclusion correct / supported by the data and relevant physics? Specific tables and graphs referenced?)

b. STRENGTHS (2+ mentioned briefly? Strengths associated with controls, data reliability? Ingenuity?)

c. WEAKNESSES (3-5 weaknesses mentioned specifically? How data was impacted by each weakness in terms of values being higher or lower than expected with brief explanation showing understanding of physics and/or uncertainties)

d. SUGGESTIONS FOR IMPROVEMENT OF WEAKNESSES (Realistic? Relevant? Ideas for further Investigation? Table form or paragraph form preferred?)

At the end of reading the evaluation, answer the following questions:

a. Was the author thoughtful / reflective regarding their procedure?

Yes Somewhat No (circle one)

b. Did the author show ingenuity when suggestion improvements?

Yes Somewhat No (circle one)

Suggestions: