

Item	Poss Points	Teacher Points
<b>Title:</b> descriptive: (IV/DV present)	1	
<b>Background Information</b> : flows nicely, comprehensive	1	
Research a bit and define respiration, respire	1	
explain briefly the mechanism for the peas what we would expect for nongerminating and germinating	2	
explain briefly the mechanism the peas crickets or any other organism you want to try., what we would expect...	2	
<b>STRUCUTRE +FUNCTION</b>	1	
	6	
<b>Created Testable and falsifiable Hypotheses for both peas and crickets at ~ room temp and ~ 10 degrees C.</b>	2	
Variables identified correctly	1	
<b>The procedure must be a flow chart (make a note at each step why you need that step: what is the purpose) and include a neat detailed diagram</b>	3	
	6	
<b>Results</b>		
Data Tables:		
Data correctly represented, units, not confusing	1	
Data tables labeled with title , use a ruler or pasted in, neat and legible	2	
	3	
<b>Graphs</b>		
Title descriptive	1	
axes labeled, variables correctly identified	1	
If x-y scatter, show trend line and equation If you do Vmax you may not do a scatter, several lines correctly constructed and labeled	3	
	5	
<b>Calculations</b> : answers boxed, leave space in report and you can go in and hand write		
All calculations shown, chi square and/or slopes (rates) ,Vmax and Q10	2	
<b>Trend Paragraph (maybe try this underneath each Figure)</b>		
Describes the data tables and graphs. Include chi / slopes. Do not restate data!!!!	3	
<b>Conclusion:</b> “Why do you see what you see?” Quality of writing, no pronouns, sentences do not start with “this” and “because”. Comprehensive and cohesive construction	2	
Restate purpose and hypotheses. Reject or Accept?	1	
Relates background information and results (think about post lab questions) What did you expect to see and why? What did you see and why? Be sure to include your background research information about the mechanism humans, crickets and peas use to perform respiration. include Q10 calculations for your group	4	
Errors identified	1	
Conclusion stated	1	
Improvements recommended	1	
	10	
<b>Format/ Literature Citation</b> Handwritten. 2 Sources	1	
<b>TOTAL</b>	<b>37</b>	

