Photosynthesis (Floating Disk Lab) - AP BIOLOGY

REPORT ITEM	POSSIBLE POINTS	EARNED POINTS/comments
Title (IV's Effect on DV or How DV is affected	5	
by IV)		
a. Background information- includes 2 sources	5	
properly cited (at least two of your sources must be scientific peer reviewed articles)		
- What is photosynthesis?		
- How does photosynthesis fit in biology? What is their importance to living things		
- How is photosynthesis affected by environmental conditions?		
 What condition are you going to explore in your lab? What other published experiments have explored similar 		
conditions (peer reviewed scientific journal articles) needs to		
add value to the background (not just cover easy knowledge we already have		
a.Purpose of the experiment	2	
b. Hypothesis (if, then, because)	3	
- include a Null Hypothesis (H ₀)		
Materials and Procedures	(10)	
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a.Materials listed (bulleted list)	2	
b. Procedures stated (numbered steps in sentence	3	
form)	_	
c. Statistical Methods explained (this should be what tests you are going to run and what information can be gained using this test. No	5	
	I	
numbers or math should be in this section, just a description of the stat		
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	(40)	
tests conducted)	(40)	
Results/ Data Collection/Analysis (complete	(40)	
Results/ Data Collection/Analysis (complete sentences and paragraph form)	` ,	
Results/ Data Collection/Analysis (complete sentences and paragraph form) a.Dependent Variable Identified correctly b. Independent Variable Identified correctly	2	
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Conclusion (complete sentences and paragraph form)	(30)	
Summarizes results	10	
Errors identified AND how they would be fixed!!!	5	
Conclusion stated	8	
implications- how can the information from this lab	2	
be applied to real world examples		
Improvements recommended (this is not how to fix	5	
errors- this is how could you extend the experiment-		
ex. Test more concentrations)		
Literature Citation (my preference is APA format)	3	
- Citation information correct		
No Personal Pronouns	2	
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Comments		
TOTAL POINTS	(100)	