Kinetics of Crystal Violet Fading Peer Grading Rubric

Whose lab report are you grading? ______

Grader's Name _____ Period _____ Period _____

***Take off at least one point for each box that is not checked in the table below.

	Requirements	Earned	Possible	Comments		
		<u>Points</u>	<u>Points</u>			
Headi	ng					
	Date of experiment		3			
	Lab partner(s)		,			
	Experiment Title					
Pre-La	Pre-Lab					
	Purpose					
	ckground Knowledge (4 pts)					
	1. Includes 2 ICE tables					
	2. Reaction #2; 1 CV ⁺ : 1000 OH ⁻					
	3. Graph 1: 1st order, Graph 2: O th order, Graph 3: 2 nd order					
	4. Rate constant = (-) slope of the trend líne					
Ma	iteríals					
	Bulleted list		11			
	Accurate, Comprehensíve					
Procedure						
Sa	fety					
	Comprehensive					
Pro	otocol					
	Imperative					
	detaíled enough to follow					
	numbered steps					
Data			5			
	Completed Data Table (-1 point if no title)					
Data I	Processing					
	$[CV^+]$ vs. tíme					
	In [CV ⁺] vs. tíme					
	1/ [CV ⁺] vs. tíme					
	Graphs include appropriate titles (3 points)		15			
	Graphs include labeled axes WITH UNITS (3 points)					
	Graphs include trend lines (3 points)					
	Equation of trend line and R^2 value(1/2 pt each = 3 points)					

Mrs. Níelsen AP C					
Discussion Questions					
	The reaction is 1 st order with respect to [CV ⁺]		3		
	The reaction is order with for [OH-] (must show work)				
	Rate = $k [CV^+]^n [OH^-]^m$				
Concl	usion and Evaluation				
	Complete sentences				
	Correct spelling and grammar				
Paragr	aph 1:				
	What is the purpose?				
	Hint: Phenolphthalein is colorless in acidic solutions and pink				
	in alkaline solutions		10		
	At least 2 variables included				
	At least 2 constants included				
Paragr	raph 2:				
	Likely errors				
	How do errors affect results? Be specific!				
	How can results be improved? (Reasonable suggestions)				
	Suggestions for further experiments				
Presentation					
	Well-organized, sections clearly labeled		3		
	Neat, legible writing				
	Table of contents includes information				
	Page numbers included				
	Lab is written in ink				
	Errors properly crossed out, no white out				
	Writes on one side of the page only				

Total points earned: _____ / 50
***Please record the score in the table of contents

Write two things the student did well in this lab report:

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Write two things the student could improve on for the next lab report:

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