

# Rubric | Equilibrium: Effect of Relative Concentrations

During checkout week, we will hold a poster symposium for the first hour of class. The grade for each poster will be determined based on peer evaluations using this rubric. To clarify, rubric scores from all 5 other groups will be averaged to calculate the group score on the final poster presentation. This will consider each of the criteria listed in the rubric and the degree to which those criteria were met.

## *Other requirements:*

- Names of ALL group members must be present at the top of the poster
- A title must be included at the top
- Any references used should be cited at the bottom of the poster
- Your group # will be defined by the bench # (1-6)

Criteria	Ratings/Descriptions			Total Points
Poster Design	2 Legible and neat Well organized	1 Lacks one of the criteria  Example: text color/size is difficult to read	0 Meets none of the criteria	2
Presentation	3 Presenter speaks clearly about content  Questions about content are answered sufficiently  Presenter explains the results	2 Lacks one of the criteria  Example: presenter is not very familiar with the content	1 Presented but lacked several criteria	3
Background and Research Questions	3 Background section discusses <b>equilibrium and Le Chatelier's principle</b>	2 Lacks one of the criteria  Example: Missing a research question or	1 Meets only one of the criteria	3

	<p>The equilibrium reaction studied is included and detectible species is labeled</p> <p>Research question is present</p>	lacking structures				
Methods	A brief description of visible spectroscopy technique is included along with table of amounts of reactants in part B				1	
Results/ Evidence	<p>3</p> <p>Results from each part of experiment are included</p> <p>A visual representation of results is included</p> <p>Trends for each property are explicitly analyzed</p>	<p>2</p> <p>Lacks one of the criteria</p> <p><u>Example:</u> only evidence for one property is used or a trend is not explicitly described</p>	<p>1</p> <p>Meets only one of the criteria</p>	<p>0</p> <p>Meets none of the criteria</p>	3	
Argument with Explanation	<p>4</p> <p>Answer to the research question (claim) is included</p> <p>Evidence is provided from the experiment</p> <p>Reasoning about equilibrium concepts and Le Chatelier's principle is included</p> <p>Explanation of the difference in color/absorbance for the different solutions is accurate</p>	<p>3</p> <p>Lacks one of the criteria</p>	<p>2</p> <p>Lacks two of the criteria</p>	<p>1</p> <p>Meets only one of the criteria</p>	<p>0</p> <p>Meets none of the criteria</p>	3
Total Score						15 possible