

<b>A. Notebook. General organization, completeness, documentation, clarity.</b>	<b>Comments</b>
1. Table of Contents up-to-date	
2. Title, dates, signature	
3. Summary of method, reactions	
4. Stepwise working procedure	
5. Data entered in ink, documented. Original data reorganized as needed to produce original, legible record.	
<b>B. Notebook. Calculations and Data Treatment</b>	
1. Data complete	
2. Equations and calculations	
3. Error analysis	
<b>C. Lab Practice</b>	
1. Wears safety goggles at all times	
2. Practices good chemical hygiene (keeps clean, organized work space at workstation and elsewhere in lab)	
3. Arrives on time for beginning of lab	
4. Employs recommended lab techniques (eg, weighing by difference, data entered directly in notebook)	
5. Comes to lab prepared (eg, procedure outlined in notebook)	
<b>General Comments/Recommendations</b>	
<b>Notebook and Lab Practice Grade (10)</b>	
<b>D. Accuracy of Reported Result (100)</b>	

**Detail for Part B**

A. Calibration of meter. Plot of E vs pH for standards and measure of pH of THAM Agreement of pH for THAM using two modes Answers to questions 1 and 2
B. Preparation of buffer of specified pH. Describe preparation, confirm final pH
C. Measurement of Buffer Capacity. Plot beta vs pH. Answer Q3.
D. Effect of Dilution. Answer Q4