

Unit 7 Labs - Scoring Rubric

Name: _____

Item	Score
<p>Lab S2 - Solubility Curves</p> <p>_____ Taped in the Lab Sheet that included data, calculations, and graphs.</p> <p>_____ Data table is complete. Solubility values are calculated; work is shown (and organized) for the three trials that were individually performed; calculations are accurate. Used provided plot to graph solubility vs. temperature; axes are labeled; best fit curve is drawn. Plot looks reasonably accurate.</p>	<p>_____/3</p>
<p>Lab ABS4 – Acid Base Properties</p> <p>_____ Included, labeled and organized all parts of the lab report - Title, Purpose, Data, Conclusion/Discussion, etc.</p> <p>_____ Data section includes a completed table describing the results of the 7 tests. Results are reasonably accurate and reflect understanding of the procedure.</p> <p>_____ The Conclusion/Discussion accurately describes ALL the observed properties (conductivity, litmus color, pH paper color, PHTH color, universal indicator color, reaction w/metal, reaction with CaCO₃) of acids and bases.</p>	<p>_____/5</p>
<p>Lab ABS3 – Acid Base Neutralization</p> <p>_____ Taped in the provided Lab Sheet. Required parts (data table and conclusion) were completed.</p> <p>_____ Conclusion includes a clear and an accurate statement that describes the relationship between the number of drops and the molarities of the acids and base solution once the endpoint was reached. Most importantly, a specific <i>data point</i> from the Data Table that supports the conclusion statement is identifies. The manner in which it provides support for the conclusion is discussed. This probably includes a calculation. Did a convincing job and demonstrated an understanding of the lab.</p>	<p>_____/3</p>
<p>Lab ABS7 –Neutralization of a Base</p> <p>_____ Included a Purpose, provided sheet with Data and Calculations, and a Conclusion.</p> <p>_____ The Data section included an organized table of titration data for all three trials; data is labeled and included units. Data section also included an organized collection of follow-able calculations of the molarity of base; calculations are labeled, annotated and accurate. Proper attention was given to units and significant digits. Results are reasonably accurate.</p> <p>_____ The Conclusion reports the molarity of the NaOH solution.</p>	<p>_____/5</p>
<p>Lab ABS9 - Barney's Brew</p> <p>_____ Included a Purpose, provided sheet with Data and Calculations, and a Conclusion.</p> <p>_____ The Data section included an organized table of titration data for all three trials; data is labeled and included units. Data section also included an organized collection of follow-able calculations of the molarity of acid and the % acetic acid in the solution; calculations are labeled, annotated and accurate. Proper attention was given to units and significant digits. Results are reasonably accurate.</p> <p>_____ The Conclusion reports the % acetic acid in Barney's vinegar.</p>	<p>_____/5</p>