

# KMnO<sub>4</sub> Lab Report

Due Tuesday, December 9, 2014

Item	Criteria	Mark Value
<b>Purpose</b>	Why & how	2
<b>Prelab</b>	Calculations with formulas Full solutions	@ 1 per calculation 6
<b>Observations</b>	Qualitative – point form allowed(not recommended) Quantitative <ul style="list-style-type: none"> <li>• Table (follows expectations)</li> <li>• Absorbance at two wavelengths</li> </ul>	1 @ 2 @ 2 4
<b>Analysis</b>	Graph with two lines <ul style="list-style-type: none"> <li>• Legend</li> <li>• Equations</li> <li>• R<sup>2</sup></li> <li>• Figure at bottom</li> <li>• Labelled axis</li> <li>• Concentration of unknown</li> </ul>	7
<b>Answers to the three questions</b>	Conclusion – unknown <ul style="list-style-type: none"> <li>• Does the methodology work? (Beer's Law)</li> <li>• In text citation (APA)</li> </ul> Sources of error – 2 min Improvements – match sources of error References	1 1 1 2 2 1 8
<b>Total</b>		<b>/28</b>