

## Rubric – Collaborative Section

Tuesday, June 19, 2018 3:21 PM

<b>COLLABORATIVE NOTEBOOK RUBRIC (35 pts)</b>	/35
<p><b>Overall Notes (10 pts)</b></p> <p><b>Notes are easy to follow:</b> an outsider could tell what was being recorded and <b>why</b>.</p> <p><b>Notes are complete:</b> operations or conditions that affect the interpretation or analysis of data are given.</p> <p>First page includes name of experiment, names of all partners, and dates beginning and ending experiment.</p>	/10
<p><b>Apparatus diagrams and annotations (10 pts)</b></p> <p>The diagrams + annotations <b>succeed in communicating how the apparatus works</b> and how it was used.</p> <p>Diagrams are <b>functionally clear</b>: the diagrams would make sense to other students in the course.</p> <p>Diagrams and annotations are <b>correct</b>.</p> <p>Diagrams are <b>copiously annotated</b>. Annotations are sufficient to indicate the use and/or function of each important component of apparatus.</p> <p>Diagrams show important subcomponents, clear signal paths, and important physical features.</p> <p>Diagrams are original drawings and/or photos taken from the apparatus itself, not merely copied from the instructions.</p>	/10
<p><b>Data (12 pts)</b></p> <p>Raw data are <b>correct</b>: no significant mistakes in collection of data.</p> <p>The data set is <b>complete</b>: sufficient to calculate all important results and random uncertainty.</p> <p>Relevant conditions pertaining to collected data (e.g., sample type, run number, equipment settings) are present.</p> <p>Tables of data include an <b>estimate of uncertainty</b> for each data point along with reasons for assigning that uncertainty.</p> <p>Copies of original data (XY plots, computer printouts, tables, etc.) are complete and annotated with information describing the sample, conditions or other information pertaining to it.</p> <p>Raw data are recorded neatly with correct units.</p>	/12
<p><b>Preliminary Analysis (5 pts)</b></p> <p>At least one set of data are appropriately <b>reduced</b> (e.g., plotted, converted to appropriate units, fitted to model). Full analysis will be in personal notebook, but as a group you should make sure the data you have are of sufficient quality to form the basis of your reports.</p>	/3