Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Titration Lab**

**/12**

|  |
| --- |
| **Procedure: /3*** Procedures are listed in clear steps; each step is numbered and in a complete sentence; the experiment could be easily replicated based on the procedures provided **(3 marks)**
* Procedures are listed, but seem to be missing some information that would

allow one to successfully replicate the experiment; some steps are not numbered and/or are in incomplete sentences **(2 marks)*** Procedures do not accurately list the steps of the experiment **(1 mark)**
 |
| **Observations**: **/3*** Professional looking and accurate representation of the data in tables, graphs, or written form; graphs and tables are appropriately labeled and titled. **(3 marks)**
* Accurate representation of the data in all possible forms

(written, graphs, tables); graphs or tables are not appropriately labeled and titled; “something is missing” **(2 marks)*** Data are inaccurate; “a lot is missing” **(1 mark)**
 |
| **Analysis**: **/3*** Questions are all correctly answered; answers are detailed, provides sufficient analysis of data, trends/patterns are logically analyzed, questions are answered in complete sentences, analysis is thoughtful **(3 marks)**
* 1 or 2 of the questions are not correctly answered. provides some analysis of the data, trends/patterns are logically analyzed for the most part, questions are answered in complete sentences, analysis is general and brief **(2 marks)**
* Most questions were not answered correctly; or not answered in full sentences, provides limited analysis of the data, trends/patterns are not analyzed, answers to questions are incomplete, analysis is inconsistent **(1 mark)**
 |
| **Conclusion: /3*** accurate statement of the results of the lab indicates whether results support the hypothesis, draws valid conclusions based on the data, shows a strong understanding of the purpose of the lab, provides sufficient evaluation of methods used **(3 marks)**
* a statement of the results of the lab indicates a support of the hypothesis, incomplete analysis and reflection, demonstrates some ability to draw conclusions based on the data, conclusions misstated indicating a lack of understanding, basic understanding of the purpose of the lab, provides some evaluation of methods used **(2 marks)**
* no conclusion was included or shown little effort and reflection on the lab, demonstrates limited ability to draw conclusions based on data, does not understand the purpose and meaning of the lab, missing important points, provide limited evaluation of methods used **(1 mark)**
 |

**Comments**:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_