

## Titration Lab Report Rubric

DUE DATE \_\_\_\_\_

### Title page:

\_\_\_\_ Scientific title that explains the lab **with title, date, period, name (5pts)**

### Purpose:

\_\_\_\_ Clear, concise and meaningful. What are you trying to accomplish? **(5 pts)**

### Materials:

\_\_\_\_ Complete **list**. No bullets or numbers! **(5 pts)**

### Procedure:

\_\_\_\_ Clear, concise; complete; repeatable; accurately represents EXACTLY what was done in the lab. **# list of steps (5 pts)**

### Data and Observations:

\_\_\_\_ Easy to read; complete; tables are accurate and appropriate; tables titled and labeled **(5 pts)**

\_\_\_\_ Correct number of sig figs are reported for each measuring device; **(5 pts)**

### Calculations:

\_\_\_\_ All work is shown and answers are rounded to the correct number of sig figs; **(5pts)**

\_\_\_\_ Steps are clearly labeled and *process* is communicated; **(5 pts)**

\_\_\_\_ Percent error is correctly calculated; work is shown; **(5 pts)**

\_\_\_\_ Correct format (pen or typed, incorporated into lab report, not separate or lab sheet at end) **(5 pts)**

### Conclusion:

\_\_\_\_ Meaningful; understanding of the purpose of the lab is apparent **(5 pts)**

\_\_\_\_ Discussion includes a connection between student's measured results and expected results **(5 pts)**

### Discussion of Theory:

\_\_\_\_ Section provides a clear understanding and explanation of the underlying topics and theory of the lab (should include but not limited to titration, reaction type, indicator, end point, equivalence point) **(15 pts)**

### Sources of Error Discussion:

\_\_\_\_ **THREE** Sources of error are discussed; discussion is comprehensive, explain how the result of the lab was impacted **(10 pts)**

### Questions:

\_\_\_\_ All questions are answered thoroughly and correctly **(15 pts)**

\_\_\_\_ All questions are answered in complete sentences with appropriate calculation work shown for any math problems **(10 pts)**

\_\_\_\_ Correct format (pen or typed, incorporated into lab report, not separate or lab sheet at end) **(5 pts)**

### Works Cited

\_\_\_\_ MLA format, at least one source **(5 pts)**

### Expectations:

\_\_\_\_ Lab write-up is professional (past tense verbs, no pronouns, double spaced, typed, subscripts, grammar, and spelling) **(10 pts)**

\_\_\_\_ Outcome is scientific **(5 pts)**

\_\_\_\_ TIN Submission – MUST be under 20% **(20 pts.)**

**Your Points \_\_\_\_\_/155 Grade \_\_\_\_\_**