|  |  |
| --- | --- |
| Teacher Use Only | |
| Total Score |  |
| Possible Score | 55 |
| Grade |  |

**Laboratory Experiment Rubric—Chemistry II**

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

Experiment: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

As you write up your experiment, mark the boxes and blanks in the *student* (st) column (🞎 ⌧) for each item you believe you have done correctly. (If you think you left something out or didn’t do it correctly, don’t check the box for it.) Note that not all checkboxes apply to all experiments. The teacher will mark the checkboxes in the left (tc) column and the totals for each section. Give some thought to this process—you get points for accurate assessment of your work!

**Experiment** (Teacher use only)

4 3 2 1

🞎 🞎 🞎 🞎 performed the experiment

🞎 🞎 🞎 🞎 contributed sufficiently to lab group

🞎 🞎 🞎 🞎 good/safe lab practices

🞎 🞎 🞎 🞎 adequate clean-up

Total: \_\_\_\_/16 (4 points each) tc

**Title & Objective**

tc st

🞎 🞎 title included

🞎 🞎 objective stated

🞎 🞎 objective clearly describes what you are doing/testing

Total: \_\_\_\_ /3 tc

**Overview/Plan**

tc st

🞎 🞎 included

🞎 🞎 summarizes expected procedure (basic overview)

🞎 🞎 relates expected procedure to objective

🞎 🞎 pre-lab questions (if applicable)

Total: \_\_\_\_ /4 tc

**Notes/Relevant Information**

tc st

🞎 🞎 original procedure notes included

🞎 🞎 original data included

Total: \_\_\_\_ /2 tc

**Procedure**

tc st

🞎 🞎 included (cleaned up version of your notes)

🞎 🞎 names/formulas, quantities, & concentrations of all

chemicals & solutions used

🞎 🞎 all materials & equipment mentioned/described

🞎 🞎 set-up of apparatus sketched and/or described

🞎 🞎 complete and detailed enough to re-create experiment

Total: \_\_\_\_/5 tc

**Data & Observations**

tc st

🞎 🞎 included (cleaned up version of your notes)

🞎 🞎 complete data/observations/measurements recorded

🞎 🞎 units included in all measurements

🞎 🞎 analog measurements include one extra decimal place

(significant figures)

Total: \_\_\_\_ /4 tc

**Analysis**

tc st

🞎 🞎 included

🞎 🞎 relates to objective/data

🞎 🞎 calculations (formulas and/or graphs) shown or

described (including units and proper sigfigs)

🞎 🞎 analysis complete & correct

🞎 🞎 percent error included 🞎 🞎 +2 (within ±10% )

🞎 🞎 possible sources of uncertainty/error described

🞎 🞎 post lab questions included (if applicable)

Total: \_\_\_\_ /8 tc

**Conclusion**

tc st

🞎 🞎 included

🞎 🞎 recap of experiment (what you did)

🞎 🞎 summarizes results and analysis, hypothesis supported

🞎 🞎 improvements, sources of error

Total: \_\_\_\_ /4 tc

**Format, Etc.**

tc st

🞎 🞎 handwritten

🞎 🞎 names of lab partner(s) included

🞎 🞎 on time (+5) 🞎 🞎 1-2 days late (+3)

🞎 🞎 rubric sheet completed by student

🞎 🞎 student’s rubric sheet agrees with teacher’s (±3 items)

Total: \_\_\_\_ /9 tc