

Laboratory Experiment Rubric—Quantitative Honors/AP Chemistry

Teacher Use Only	
Total score:	
Possible score:	58
Grade:	

Name: _____ Block: _____

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!

Performed Experiment

Points from teacher's checklist: _____ /20
tc

Title & Objective

tc st

- title included
- objective clearly stated
- title & objective describe what you're doing (independent variable) and what you're testing (dependent variable)

Total: _____ /3
tc

Plan

tc st

- included
- summarizes expected procedure
- relates expected procedure to objective

Total: _____ /3
tc

Procedure

tc st

- included
- accurate
- complete (detailed enough to re-create experiment)
- all materials & equipment mentioned/described
- set-up of apparatus sketched and/or described
- names/formulas, quantities, & concentrations of all chemicals & solutions given
- names of lab partner(s) included

Total: _____ /7
tc

Data & Observations

tc st

- included
- complete data/observations/measurements recorded
- units included in all measurements
- analog measurements include one extra decimal place and uncertainty (\pm)
- experiment performed accurately (usually $\pm 20\%$)
- qualitative observations recorded

Total: _____ /6
tc

Analysis

tc st

- included
- based on data from experiment
- relates to objective
- calculations (formulas and/or graphs) shown or described (including units) for all calculations
- percent error included
- significant figures correct
- analysis complete & done correctly
- possible sources of error listed/described

Total: _____ /8
tc

Format, Etc.

tc st

- handwritten in ink in notebook, all corrections done properly, no pages removed
- experiment starts on new page
- experiment signed & dated at the end
- original data included (not copied or rewritten)
- on time
- not more than 2 days late (4 pts)
- rubric sheet completed
- student's rubric sheet agrees with teacher's (± 3 items)

Total: _____ /11
tc