

Formal Labs

2.5 present in lab, completed lab activities

0.5 Title, Partner's Names, Date

1 correct purpose (not learning goal)

0.5 procedure (reference to procedure and/or original things done)

1 graphs and tables formatted correctly, with labels, titles, units

2 analysis and results complete and correct; uncertainty calculated correctly for a straight-line fit, slope and y-int are identified to 90%, and explained

-1 bad results unexplained

1 sources of error identified as random or systematic

at least one non-negligible source of error and how to reduce it

1 conclusion - restate important quantitative result, units and uncertainty (correct sig fig) are included

0.5 lab turned in electronically with no submission errors by start of lab period

late labs lose 1 point per day

0, check-, check, check+ (0, C, B, A)

Lab notebook (must have all of the following for a check-plus)

must have it for lab

no pages torn out

nothing erased

no loose pages (except handouts, graded formal labs in notebook pocket, required)

needs to be readable and followable

everything needs to be in chronological order, spaced out well

date and title sections (notes, informal labs, formal labs, etc.)

each lab starts with date, partner

purpose, results, conclusion needs to be in notebook

any printouts (graphs, tables) need to be taped securely into the notebook

results complete?

results reasonable?

bad results explained?