Chemistry Lab Report Guidelines Updated as of 10/09/17

* **Background** – part of your PRELAB Assignment (AP Chemistry)

DO NOT copy info from lab worksheet!

Summary/explanation of the important chemistry topics covered in lab

Explain how the topics relate directly to the lab

What will your lab be discovering/testing related to the topics What is your experimental question/variables

Include relevant chemistry vocabulary Relevant Chemical equation(s) Including balancing and states

Each Equation should be numbered to make referencing easier

Hypothesis if applicable

If , then , BECAUSE . Everyone forgets the BECAUSE part!

Relate it back to the topics covered

No Sum/Explained

Defined Vocab

**Background**

Chem Topics

Sum./Explained

Yes No Hypothesis (if app)

Exp. Q/Variables Yes No Yes No References (ACS)

Yes No

No

Yes

Chem Rx’s (Bal/St’s)

No

Yes

**2 3 4**

Topics Related to Lab

**1**

**Data Table 4 3 2 1 Quant Qual**

Observations Title

Significant Strong / Clear

Sufficient Good / No Rxn

Lacking Unclear / What?

Used ink on Ccopy: Y N Mistakes Cor. w/ 1-line strike: Y N

Table Appearance

Pro w/ Ruler Good Lacking / No Table

* **Observations/Data**

Qualitative and quantitative! Must have both Lab notebook paper only with data tables graphs

made/collected DURING the lab

Professional appearing (boxes outlined, title – not “Data Table”

**Title**: Must include the reaction in name or formula, cannot use “Qual or Quant” of…

Clear, large, not squished! – use one whole page Sig figs for calculations and measurements Label graphs and tables

Give everything a *descriptive* title Units

Black or blue **INK ONLY**

**DISCUSSION**

Questions All Most Few

All Most Few Yes No Accurate

Calculations w/ work

Correct Answers

No

Yes

Questions Copied

No

Yes

1 2 3 4

Complete Sent.

* **Discussion Questions**

Answers to the lab questions or statements or calculation with work.

Each question should be numbered and answered in complete sentences

Restate the question in your answer, don’t copy the question! Will sometimes be done on Carbon Copy paper individually.

*Still include this section in the report, but simply say “Refer to Carbon Copy pages at the end of the report”*