

Dougherty Valley High School Chemistry
Pre-Lab Assignment for all labs
ONLY BLACK OR BLUE PEN

- A. Summarize the lab in bullet points [Label everything]
- Full sentences not needed
 - Objective(s) (What are you going to learn from this experiment, techniques?)
 - Purpose of the lab (The “why” are you conducting the lab)
- B. Background of lab (**AP Chemistry**)
- DO NOT copy info from lab sheet!
 - Summary/explanation of the important chemistry topics covered in lab
 - Explain how the topics/concepts 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 with definition(s)
 - Relevant Chemical equation(s) – should get their own LINE on the page
 - Including balancing and states
 - Each Equation should be numbered to make referencing easier
 - Hypothesis if applicable
 - If _____, then _____, BECAUSE _____. Everyone forgets the BECAUSE part!
 - REFERENCES 2+ on research articles that support objectives learned in American Chemical Society Format – see downloads page for examples.
- C. Draw setups (if applicable)
- D. **Make a Reagents Table (chemicals used as if solids and solutions of) – must be a TABLE**
- Name, formulas (w/ molecular weight), physical properties (MP, BP, Density), physical state at room temperature, safety concerns – be specific – **all in separate columns**
 - Solutions if applicable and on MSDS
 - Chemical **IF** used as solvent only needs MSDS of solution, not solid form
 - Note safety/cleanup points (if given)
 - MSDS is a good starting point
- E. Complete pre-lab questions, must show all work for calculations, be detailed always (if applicable).
- F. You should be able to do the lab with nothing but your notebook.
- Procedure in your own words (does not mean to combine steps)
- G. You may do in flow chart style that is always fine too. (UNLESS Inquiry based lab)
- H. The **PURPOSE** of this assignment is to get you to synthesis the steps by putting it in your own shortened version.
- I. Data tables (see below) – not collected until lab report is due
- Set up your data table(s) for observations, both QUANTITATIVE and QUALITATIVE on a different page from the pre-lab for every experiment. Make it large (not necessarily the whole page, your choice). Must be two separate tables. Do not combine Qual. And Quant. Tables. Title must contain the reaction that is occurring
- J. This will be collected prior to the beginning of lab. **Worth 30 points in Lab category**

SAVE THIS PAGE

This pre lab assignment can change at teacher's discretion