GUIDE TO PREPARING LAB REPORT

- ❖ In order to receive credit for the experiments performed in this class, you must complete and turn in a lab report as described below.
- ❖ The due dates for lab reports will be communicated to you by your lab instructor.
- ❖ Turning in a late lab report could be subject to a late penalty or not acceptable based on discretion of your lab instructor.

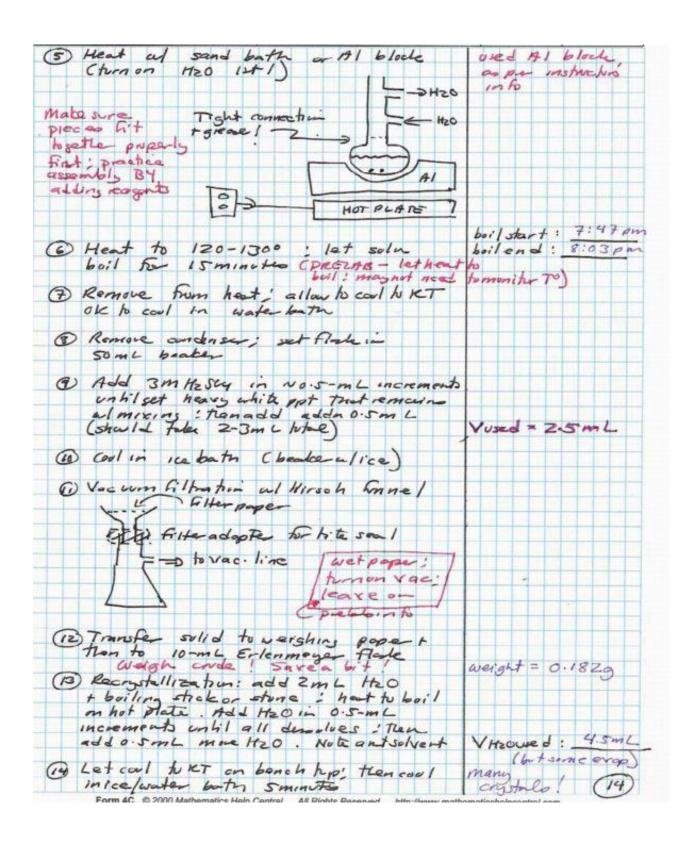
Lab report for each experiment should contain the following:

- A completed Report Form (available on profpaz website).
- Report form should be completed neatly in ink, without excessive corrections.
- Observations should be summarized based on your lab notebook, in a coherent and clear manner, utilizing proper scientific concepts learned in lecture and lab.
- If calculations are required, they should include appropriate equation, substitution and answers with proper units and significant figures.
- Conclusion or questions should be completed in a coherent manner based on results observed and obtained in the experiment
- Some examples of notebooks pages that include the above criteria are provided on the following pages.

Example 1

TITLE	LAB 2	воок №. 1	PATE 9//7/09 30
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	AND Hydroc	HLORIC ACID	
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		PART I OF this experim	
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NDU	When IT IS Added	to pure water. Sin	ce water is NOT A
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		s required to Neutr	
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Han	Alumbra ac males	of No M that as	a security
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The	BAIANCES EQUATI	ian, we are able to 1	redict that the
CAH	o will be as I m	oles HCI to moles i	19203. FINALLY, IN
ART	IV, we will use	the onme procedu	re to identity the
CONC	entration of an	UNKNOWN SAMPLE OF	HCI SOLUTION.
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Example 2

This example combines the Procedure and Data & Observations into one section and shows the difference between initial observations made in the lab and summarizing of the results in the Report Form.

HYDRATED CRYSTALS

Purpose:

This experiment explores the physical and chemical properties of hydrated crystals.

Procedure/Data & Observation

Heat small sample of copper sulfate crystals	 Crystals appear blueish before heating After heating for 5 min crystals become white on the outside After heating for 10 min longer crystals become all white
Place some crystals in test tube and add water	 After adding water, crystals become blue again Crystals do not dissolve in water

Results:

Before heating, copper sulfate crystals appeared blue in color. After heating, crystals began losing color and become progressively whitish in color. This process began quicker on the surface of the crystals, till eventually all the crystals become white in color after 15 minutes. The dried crystals were placed in a test tube and water drops added to them. After adding water, the crystals regained their blueish color but did not dissolve in water.