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CHM356 INORGANIC CHEMISTRY LABORATORY

INTRODUCTION

LABORATORY SAFETY, PRELIMINARY PREPARATIONS

INTRODUCTION

Students taking the Inorganic Chemistry Laboratory course will provide the following materials:

- *Lab coat*
- *20-sheet notebook*
- *Small scissors*
- *Lab spatula*
- *Lab tweezers*
- *Beaker*
- *Flask*
- *Lab test tube*
- *Test tube stands*
- *Small funnel*
- *Glass stir rod*
- *Glassware*
- *Lab watch glass*
- *Capsule*

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LAB RULES FOR THE STUDENTS

1. *The student is expected to arrive for laboratory on time and do not leave the laboratory, except for the supply of chemical materials and the necessary needs.*

2. *The student should learn the experiment of that week before one week, and should write the chemical reaction occurring in the experiment, experimental procedure, the list of chemicals to be used in the experiment on the notebook. In addition, the questions given at the end of each experiment in the experiment book should be answered on the same notebook. In order to answer these questions, the student should use his/her own knowledge and write the information that he/she has found from his/her research on the notebook. The student should take an oral exam with this notebook. The notebook of the students who pass the oral exam will be signed and the student will be able to experiment.*

3. *After completing the experiment, the student should weigh clean and dry tube or small bottle empty in order to calculate the yield, then put the substance obtained into it and weigh it again and find the amount of the substance obtained from the difference. Then the student should write all data legibly on a label and stick it on the tube or bottle. The information that must be written on the label are:*
 - ✓ *Student's number*
 - ✓ *Student's name and surname*
 - ✓ *Experiment number and name*
 - ✓ *The full weight of the tube*
 - ✓ *Empty weight of the tube*
 - ✓ *Weight of the substance*
 - ✓ *Yield%*
 - ✓ *The melting point of the substance (if any)*

This tube or bottle will be given to the research assistant.

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4. *The student has to do the experiments on the week, unless he/she has a valid excuse. The student, who does not carry out an experiment on time without an excuse, will not be able to do the experiment again. The students who do not perform more than two experiments in one semester will be considered to have failed the laboratory and will not be taken to the final exam.*
5. *During the study at the laboratory, every student should be dressed in his/her lab coat, and should apply laboratory techniques (filtering, evaporation, boiling etc.) as befitting a chemist.*
6. *A student who does not work regularly and cleanly despite all the notices in the laboratory will be considered as not done by the research assistant in the laboratory and the student will be taken out of the laboratory. The student's behavior and working discipline in the laboratory will affect the student's laboratory grade.*