

## LABORATORY FINAL EXAM - CHEMISTRY: 75% of exam grade

### Rules:

1. You may work with 1 or 2 other students, or alone.
2. Find as many items on the attached list as possible. Bring only a small sample of each item, but bring enough to identify the item. Submit them neatly arranged in a box. Attach a label to each item with the following information:
  - A. ID number from the list of items, below
  - B. Any verification, measurements, calculations, formulas, equations, explanations, etc. that pertain to it. Explain why your item answers the question. Index cards make nice labels.
  - C. Include a copy of the item list with your box of items, in numerical order. Circle the numbers of each item you wish to have considered for scoring.
3. You may search for the items together as a team or assign different items to members of your groups, but consider rules # 6 and #7 below as you plan your work. .
4. The laboratory may NOT be used as a source for items. You may, however, use the lab equipment for measurement purposes during the group time allowed each day.
5. The items needed to meet the criteria listed are all simple, nontoxic substances that are readily available around your home. A single item may be used to answer more than one question, as long as it is clearly labeled as such. ***Items which are illegal or improper to possess or bring to school are unnecessary to complete this project and will result in a team grade of zero. This includes but is not limited to, ethanol, drugs (including over-the counter medication), tobacco, flammable items, and compressed gases.***
6. You may use references from any source including knowledgeable people, but full citation
  - a. must be given for each item turned in for which you needed outside knowledge.
7. Team members will be asked to validate selected items by answering questions in class on . "That was not my item," or "Someone said it was right but I don't know why ," etc. are NOT acceptable responses. All team members are fully responsible for all items turned in. 1 point will be deducted from your score for each unacceptable response.
8. Your grade is dependent upon both the number of items on the list that are turned in, correctly labeled and verified, the date that the items are turned it, and your individual response to questions answered in class.
9. Each item is scored on a 3 point scale as follows:
  - a. 1 point for a correct item, labeled with item number
  - b. 1 point for an attempted explanation
  - c. 1 point for a correct explanation (including the oral defense, if requested.)
10. Full credit of 150 points will be awarded for the finding, labeling, and verifying a minimum of 50 items from the list. Additional items correctly labeled and verified and partially complete searches will earn credit at the rate of 3 possible points each. Additional credit of 10 bonus points will be awarded to the first team to turn in at least 50 correct items. 5 bonus points will be given to the second team.
11. Any attempt to falsify information or materials will result in a grade of zero for the team.
12. All safety equipment must be worn when appropriate. Samples will be handled using appropriate lab safety techniques.

Box with all items to be scored is due on Friday, May 18 by 3:30 PM according to the clock in Room D25.

\*Oral defense and final grading will take place in class on Monday, May 21 and Tuesday, May 22 during regular class time. If you are not in class on that date, you must make arrangements for a makeup date before your grade will be turned in.

- All items not retrieved by 1:00 P.M. Wednesday, May 23 will be disposed of.

This work is by Luann Christensen Lee and licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License. 1989-2020