

Winter 2006 Research Project Guidelines

Household Liquids & Solids

1. Students are to decide on a special research project that can be completed in 2 lab sessions. Check the library's analytical chemistry section and find several suitable possible projects. Prepare a draft proposal (1 page) on your project showing the methods to be employed. Prepare **3** proposals in case your preferred choices are rejected.
2. Check the lab for availability of the reagents (a white sheet showing reagents is on the right side of the chalk-board). But always check the shelves in case they are not listed on sheet. If everything is available for the suggested experiment, then show it to your instructor for approval or suggestions. If someone else is already doing the project, your proposal will most likely be rejected (first come first served).
3. Avoid organic chemistry type analyses. No use of animal or human bodily fluids or solids. No use of silver nitrate unless you can provide your own (budget crises!).
4. Timetable:
 - a. First draft due - February 11
 - b. Final proposals (typed) approved by - February 18
 - c. Start of lab research by - February 20th. You have only February 20th and 24th to do this project.
5. **No experiments will be allowed** on February 27 - day of lab-check out.
6. Remember that the research project is worth 50 points and is graded strictly. Needless to say, do your best. Here are the factors which will be considered:
 - a. concise abstract
 - b. introduction depth
 - c. principles clarity
 - d. success or failure in obtaining data
 - e. level of difficulty
 - f. analysis depth
 - g. format of your report (follow Formal Report guidelines)
 - h. ability to do individual work