

## Final Project Lab Reports

You will write **TWO SEPARATE** lab reports, one for each demonstration. Even if you need more than one day to complete the preparation and practice of the demonstration, you will just add more data, not write another lab report. Your lab reports will be worth a total of 20 points (10 points each). They should be written in your lab book in blue/black ink.

Below is the format and order I am looking for on the final project lab reports:

### Title and Heading:

The title should be the title of your demonstration. Include your name, partner's name, the date, and the class hour (as usual).

### NO GOAL!

### Research:

The only research you need in your lab book is the source of your demonstration (Flinn Fax, Summerlin, Shakhashiri, Chemical Magic, etc.) and at least one chemical reaction equation of your demonstration. (More impressive is to have all of them!)

### Materials:

This is just like normal. Be careful—many demonstration handouts don't use my format or leave off the basics (like a balance, medium scoop, or massing cups)!

### Hazards:

Same as usual. Be sure to mention the safety contract and to write in complete sentences! Find MSDS sheets at <http://www.flinnsci.com/msds-search.aspx>?

### Disposal:

Before you begin any demonstration, you must know the disposal procedure for ALL of your chemicals (reactants) AND for the chemicals you will be making (products). This information is often available from the demonstration books/handouts. If it is not (and even if it is), use the Flinn Catalog (at least to double-check).

### Procedure:

If you are following a handout, just write "Following demo directions." You only need to write out a procedure if you will **not** be using a procedure from handouts. If you are doing work **not** covered in a handout, then write the directions as usual.

### Data:

This section will contain the normal data: everything you see, feel, hear, smell and measure (**especially** what you measure). This will include more of your interpretations of what is happening than you would normally place in a regular lab report. Set-up sketches are very important! Be sure to record any and all changes you make to the printed directions. **DON'T FORGET SIGNATURES!**

**NO CALCULATIONS OR CONCLUSION!!**