Lab Notebook and Report Format

Lab Notebook

1. Title
2. Abstract: 2-3 sentences explaining the general concepts you will be learning about
3. Reaction Mechanism (if appropriate)
4. Table: List of compounds, amounts and properties (follow the template below)

<table>
<thead>
<tr>
<th>Compound Name</th>
<th>Structure</th>
<th>F.W.</th>
<th>Amount mmol</th>
<th>Physical Properties (bp, mp, density)</th>
</tr>
</thead>
</table>

5. Procedure – detailed step by step guide procedure for that day’s experiment

All 5 of these sections MUST be completed by the time you show up to lab. Failure to show up with them filled out will result in 0 credit for that component of the lab grade

In your lab notebook, you should record any notes and observations, as well as record data that is pertinent to the lab. Calculations should also be done in the lab notebook, and should be done prior to leaving the lab.

Lab Write-Up

The lab write-up should have the 5 sections outlined above, as well as a section for notes/observations and data/calculations. In addition to these, you should include:

1. Results and Conclusions – explain what happened, what possibly went wrong and what you could have done better to make the reaction work optimally. How did your experiment run as compared to what is outlined in the book? Be as detailed as possible.
2. Post-Lab questions – these are assigned by the TA at the beginning of each lab period, and should be included at the end of the lab write-up.

Lab reports are due to the TA at the beginning of next weeks’ laboratory session.