

# Laboratory Report Guideline - Freezing Point Depression

1. **Cover Page** - title of the report, name, partner's name

2. **Abstract**

the purpose of the experiment

brief summary of the results

3. **Theory**

discuss of colligative properties and freezing point depression

define and discuss molality and van't Hoff factor value

4. **Procedure**

5. **Data**

unknown ID, three graphs (determine the freezing point from all the graphs)

6. **Calculation**

one example of each calculation that was made

7. **Error Analysis**

general errors from the experiment

% error calculations

discuss possible errors

8. **Conclusion**

general summary of the experiment and restatement of the results

9. **Reference**

10. **Questions**

answer questions on page 38 - #1, 2, and 3 (be specific with your answers)

Reminder: be sure not to use pronouns and make sure all the graphs and calculations have units, appropriate significant figures, and labels