Laboratory Report Guideline
Freezing Point Depression

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

2. **Data**
   unknown ID
   three graphs - freezing point of pure water, freezing point of non-electrolyte solution, and freezing point of electrolyte solution
   determine the freezing point from all the graphs

3. **Calculation**
   calculation of average freezing point of pure water, non-electrolyte, and electrolyte solutions
   an example of calculation of the molar mass of the non-electrolyte solution
   an example of the van't Hoff factor value of the electrolyte solution

4. **Results and Discussion**
   general errors from the experiment
   % error calculations for both non-electrolyte and electrolyte solutions and explain the value: what possible errors?

5. **Conclusion**
   general summary of the experiment
   restate the results - the freezing point of water, the average molar mass of non-electrolyte substance, and the van't Hoff factor value of electrolyte substance
   answer questions on page 42 - #1, 2, and 3 (be specific to your answers)

6. **Reference**

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