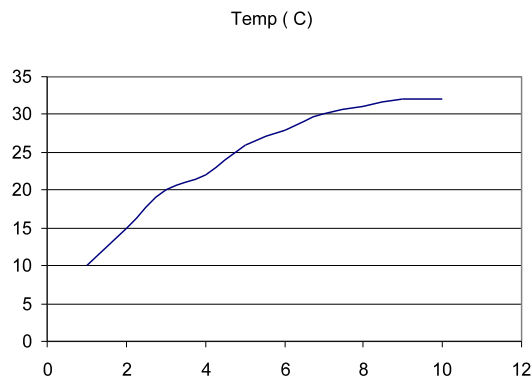


Colligative Properties Pre Lab

1. What are colligative Properties?
2. What is a non-electrolyte? Electrolyte?
3. What is the equation for calculating the freezing point depression?
4. What are the units on m ?
5. Calculate the molar mass of the compounds listed in Table 2.
6. What is the van't Hoff factor, i ?
7. Write down the equations needed to calculate the molar mass of a non-electrolyte compound.
8. Write down the equations needed to calculate the van't Hoff factor for a strong electrolyte.
9. Why does adding salt to an ice bath lower the temperature?
10. How many times do you perform part A, B, and C?
11. If I had a plot of Time in minutes versus Temperature in degrees Celsius, What would be wrong with the graph below? Provide corrections.



Write out a purpose, key words, equations and measurements you will need in your lab notebook.