Review for Chapter 13

1. How can molarity be converted to molality?
2. Understand how to create a specific molal solution given grams of solute and or an amount of solvent.
3. Understand how to make calculation to find mole fractions and % concentrations.
4. Be able to make calculations for freezing point and boiling point changes given limited information.
5. Understand what effects colligative properties.
6. Be very careful when doing calculations to determine freezing point depression. Be aware of the van't Hoff factor.
7. Be able to derive molar mass given mass of solute, mass or volume of solvent, freezing point depression, and a constant.
8. The free response question will involve properties from chapters 13 plus other concepts we have covered, such as percent error, stoichiometry, percent composition, and empirical formulas.