**Concentration and Colligative Properties**

1. What is the concentration of a solution made by adding 65 grams of lithium carbonate (Li2CO3) to 2,500 mL of water?
2. What would the boiling point of the solution in problem 1 be, given that Kb = 0.52o C/m.
3. What is the concentration of the solution made by adding water to 22.5 grams of calcium chloride (CaCl2) until the final volume of the solution is 6.0 liters?
4. Why is it impossible to determine the melting or boiling point of the solution from problem 3?
5. Define the following terms:
6. concentration:
7. solution:
8. colloid:
9. molarity: