

Chemistry Questions

1. If 52.0 g of K_2CO_3 is dissolved in 512 grams of water, what is the molality of the resulting solution?
2. What will the concentration of the K^+ ions in the above problem?
3. What is the mole fraction of the potassium carbonate in the first problem?
4. What would the vapor pressure of the solution made in #1 if the solution was an $HC_2H_3O_2$?
5. Below draw a heating curve for a pure substance. Then draw a heating curve for the same substance but with a solute dissolved into the substance.