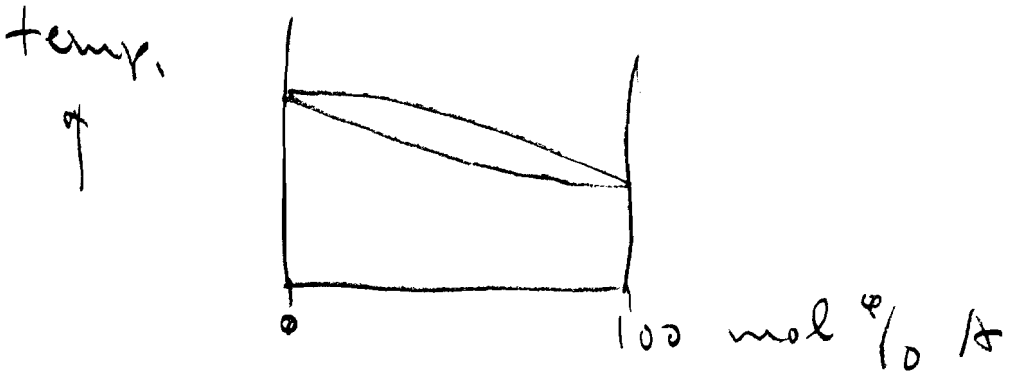
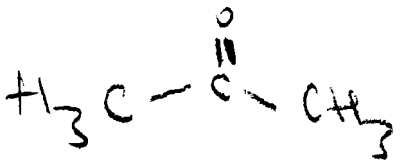
Quiz 5 Chem 231-01 Your name_____

10/05/09 Student ID#_____

1. Sketch the boiling point-composition curve for an ideal binary mixture. Label both axes! (5 pts).



2. Show valid structural and molecular formulas for acetone (4 pts).



3. Assume a given fluid has a density of 1.13 and you have eleven milliliters of it. How many grams does that correspond to? (2 pts)

12.43 g

4. Indicate which statements are correct: (A) The boiling points of most azeotropes are lower than those of their individual components. B Maximum boiling azeotropes can be separated into their components by repeated distillation. C Minimum boiling azeotropes can be separated into their components by repeated distillation. D Distillation is poorly suited to separate very large volumes of liquid. (4 pts)