

**Week 2****Chem 112 Recitation Exercises****Concentration units**

1. An aqueous solution of 2.000 % w/w  $\text{CaCl}_2$  has a density of 1.0166 g/mL.
  - a. Calculate the molarity of the solution.
  
  
  
  
  
  
  
  
  
  
  - b. Calculate the mole fraction of  $\text{CaCl}_2$  in the solution.
  
  
  
  
  
  
  
  
  
  
  - c. Calculate the % w/v of the solution.
  
  
  
  
  
  
  
  
  
  
  - d. Calculate the molality of the solution.