## Participation Assignment CHEM 1100-General Chemistry II

#1

Name:

Date: Tuesday 1/8/2019
water.
roduced.
l in enough water to
zene, $C_6H_6$ . What is the

4. Define each of the following: a. solution
b. solute
c. solvent
d. mass fraction
e. mole fraction
f. molarity
g. molality
5. A sample of 6.44 g naphthalene, $C_{10}H_8$ , is dissolved in 80.1 g benzene, $C_6H_6$ . What is the mole fraction of each component in this solution?
6. What is the molality of an aqueous hydrochloric acid solution that is 37.0 % (by mass) HCl?