

HW3: Concentration Problems and Solubility

Name: _____

Date: _____ Per: _____

1. How many grams of NaOH are in 250mL of a 3.0M NaOH solution?
2. What is the molarity of a bleach solution containing 9.5g of NaOCl per liter of bleach?
3. What is the molality of a solution containing 30.0g of naphthalene ($C_{10}H_8$) dissolved in 500.0g of solvent?
4. How many milliliters of a 5.0M H_2SO_4 stock solution would you need to prepare 100.0mL of a 0.25M H_2SO_4 solution?
5. What is solubility? Describe two factors that affect solubility.