Section 3.6   Molarity of Compound Worksheet #1
Chemistry Dr. Breinan

1. What is the molarity of 2.0 L of solution made from 2.4 moles of NaCl in water?

2. What is the molarity of 500. mL of solution made from 0.70 moles of LiCl in water?

3. What is the molarity of 100. mL of solution made from 0.45 g of NaOH in water?

4. How many moles of NaCl are found in 2.2 L of a 0.300 M solution?

5. How many moles of C_2H_5OH are found in 50. mL of a 0.150 M solution?

6. What volume of a 1.40 M solution of H_2SO_4 contains 0.400 moles of H_2SO_4?

7. How many moles of sugar are needed to make 60. mL of a 0.25 M solution?

8. What mass of CH_3OH is needed to prepare 1.50 L of a 3.00 M solution?

9. What mass of K_3PO_4 is needed to make 4.00 L of a 1.50 M solution?

10. What volume of a 0.750 M solution can be made from 90.0 g of NH_4Cl?

Answers: 1) 1.2 M   2) 1.4 M   3) 0.11 M   4) 0.66 mol   5) 0.0075 mol   6) 0.286 L   7) 0.015 mol
8) 144 g   9) 1270 g   10) 2.24 L