

Finding Solutions HW

Read and outline (Cornell style) **Section 15.1** in your chemistry textbook. ****Your section outline must be at least ½ page and have 3-4 topic questions.**** Then answer the following assessment questions:

1. Describe the characteristics of a solution and identify the various types.
2. How do intermolecular forces affect solvation?
3. What is solubility? Describe two factors that affect solubility.
4. What is the molarity of a solution containing 2.5 moles of NaCl in 1.5L of solution?
5. How many moles of solute are in 3.0L of a 0.85M solution?
6. How many liters of water are needed to make a 1.4M solution with 35.6 g of MgSO_4 ?
7. How many grams of glucose ($\text{C}_6\text{H}_{12}\text{O}_6$) are in 2.5L of a solution with a molarity of 0.75M?