

Dilutions Homework

- 1) If I have 65 grams of sodium acetate dissolved to make 500 mL of solution, what is the molarity of this solution?
- 2) If I add 325 mL of water to the solution from problem 1, what will the molarity of the resulting solution be?
- 3) To what volume would I have to dilute 50 grams of KOH to make a solution with a molarity of 0.75 M?
- 4) How many milliliters of water will I have to add to the solution in problem 3 to make a solution with a concentration of 0.35 M?
- 5) If I want to make 75 mL of 0.01 M HCl solution, how many mL of 12 M HCl will I need to dilute?