

## Molarity Homework

- 1) What mass of  $\text{CH}_3\text{OH}$  is required to prepare 1.50 liters of 3.00 M solution?
- 2) What is the molarity of a solution that contains 85.0 grams  $\text{Na}_2\text{SO}_4$  in 325 mL of solution?
- 3) If a 0.750 M aqueous solution of  $\text{NaOH}$  is to be prepared using 18.5 grams of  $\text{NaOH}$ , how many mL of solution can be prepared?
- 4) What is the concentration if I have 2.5 liters of a solution that contains 23 grams of sodium acetate?
- 5) What is the concentration of a solution in which 12 grams of ammonium sulfite were diluted to a volume of 235 mL?