Solution Stoichiometry
Solve the following stoichiometry problems accounting for all units, labels, significant figures, equations, and work. Use dimensional analysis format.

1. How many grams for silver chromate will precipitate when 100.0 mL of 0.400 M silver nitrate solution is added to potassium chromate?

2. What volume of 2.50 M hydrobromic acid solution will be consumed in reacting with 30.00 g of aluminum metal?

3. Calculate the volume of a 1.5 M sodium hydroxide solution needed to completely react with 7.50 grams of acetic acid.

4. What volume of 2.50 M nitric acid is needed to react with 350.0 grams of silver metal if some of the products include nitrogen monoxide and water?

5. What volume in L and cm^3 of a 1.6 M potassium phosphate solution is required to react with a solution containing 3.44×10^{24} molecules of nickel (II) chlorate?