

When 50.0 mL of an aqueous 0.1 M SrCl_2 solution is mixed with 50.0 mL of an aqueous 0.1 M Na_3PO_4 solution, a white precipitate is formed.

- (a) Write a complete ionic reaction equation for the reaction mixture?
- (b) Write the net ionic equation for this reaction.
- (c) How many moles of chloride anion remain in solution when the precipitation is complete?
How many grams of chloride is this?
- (d) How many moles of each of the other ions remain in solution when the precipitation is complete?
- (e) What is the molar concentration of each ion remaining in solution?