

Prince George's Community College - CHM 1010

Prof. BOYLE

Stoichiometry – Limiting Reactant Example Problem

Solutions of sodium carbonate and silver (I) nitrate react to form solid silver (I) carbonate and a solution of sodium nitrate.

- a) Write and balance the chemical equation of the reaction that occurs.
- b) A solution containing 25.0 g of sodium carbonate is mixed with one containing 25.0 g of silver (I) nitrate. How many grams of sodium carbonate, silver (I) nitrate, silver (I) carbonate, and of sodium nitrate are present when the reaction is complete?

Note: Use AMs with at least 1 decimal for this problem.