

Solution Stoichiometry

Practice Sheet #39

1. A solution of magnesium chloride is reacted with a solution of sodium fluoride to produce magnesium fluoride and sodium chloride.
 - a. Write a balanced chemical equation for this reaction.

 - b. If 0.15 L of 0.40 M magnesium chloride is reacted with 0.20 L of sodium fluoride, what concentration of sodium fluoride is required?

 - c. What would be the mass of each of the products? Give the answer to two decimal places.

2. Sodium carbonate solution is reacted with iron (III) chloride solution to produce sodium chloride and iron (III) carbonate.
 - a. Write a balanced chemical equation for this reaction.

 - b. If 0.20 L of 0.60 M sodium carbonate is reacted with 0.25 L of iron (III) chloride, what concentration of iron (III) chloride is required?

 - c. What would be the mass of each of the products? Give the answer to one decimal place.

