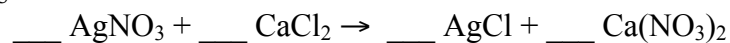


Name _____ Period _____

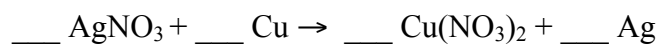
Roadmap Problems #1

Perform the following conversions. Show all of your work. You must use dimensional analysis. Using units and significant figures count!

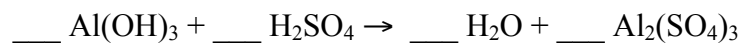
1) According to the equation below how many moles of AgCl can be formed by 5.00 moles of AgNO₃?



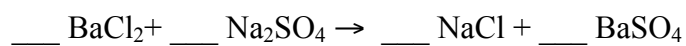
2) In the reaction below how many moles of Ag can be formed by 3.00 moles of Cu?



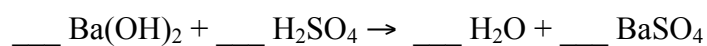
3) In the following reaction how many grams of water form from 10.00 g of H₂SO₄?



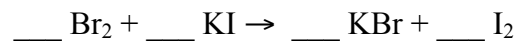
4) How many grams of NaCl can form from 75.00 g of BaCl₂?



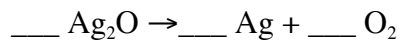
5) How many grams of Ba(OH)₂ are needed to form 100.0 g of water?



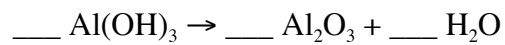
6) How many grams of KI are needed to make 5.00 g of I₂?



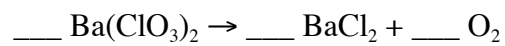
7) How many grams of O₂ form from 500. g of Ag₂O?



8) How many grams of Al(OH)₃ are needed to make 1.00 g of Al₂O₃?



9) How many grams of BaCl₂ are formed when 100.0 g of O₂ are formed?



10) How many grams of BCl₃ are needed to completely react with 25.0 g of NH₃?

