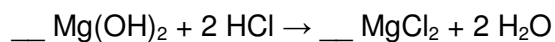
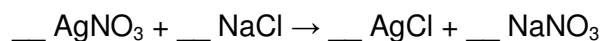


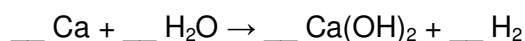
1. If 1.85 g of $\text{Mg}(\text{OH})_2$ reacts with 3.71 g of HCl , how much MgCl_2 is produced? What is the limiting reactant?



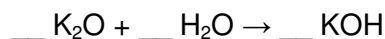
2. What mass of AgCl is produced when 53.42 g of AgNO_3 reacts with 14.19 g of NaCl ?



3. If 14.7 g of calcium is placed in 11.5 g of water, what mass of hydrogen gas is produced?



4. What mass of potassium hydroxide is formed when 8.2 g of potassium oxide is added to 1.3 g of water?



5. 150 grams of calcium hydroxide were reacted with 60 grams of hydrogen sulfate. How many grams of water were produced?