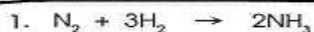


**STOICHIOMETRY:  
MIXED PROBLEMS**

Name \_\_\_\_\_



What volume of  $NH_3$  at STP is produced if 25.0 g of  $N_2$  is reacted with an excess of  $H_2$ ?

\_\_\_\_\_

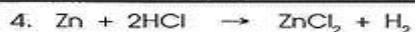


If 5.0 g of  $KClO_3$  is decomposed, what volume of  $O_2$  is produced at STP?

\_\_\_\_\_

3. How many grams of  $KCl$  are produced in Problem 2?

\_\_\_\_\_



What volume of hydrogen at STP is produced when 2.5 g of zinc react with an excess of hydrochloric acid?

\_\_\_\_\_



How many molecules of water are produced if 2.0 g of sodium sulfate are produced in the above reaction?

\_\_\_\_\_



If 10.0 g of aluminum chloride are decomposed, how many molecules of  $Cl_2$  are produced?

\_\_\_\_\_