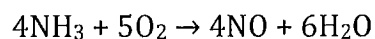


Worksheet: Stoichiometry

1. Use the following balanced reaction for the calculations:



a. How many moles of oxygen gas are needed to react with 23 moles of ammonia?

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b. How many grams of NO are produced when 25 moles of oxygen gas react?

c. If 24 grams of water are produced, how many moles of nitrogen monoxide are formed?

d. How many grams of oxygen are needed to react with 6.78 grams of ammonia?

e. How many grams of nitrogen monoxide are formed when 39.2 grams of oxygen react?