

1.8.9.1: Practice Gas Stoichiometry

Exercise 1.8.9.1.1

If you reacted 14.7 g of Zn in the following reaction, what volume of H₂ gas, measured at STP, would be produced?



Answer

5.04 L. (0.225 moles)

Exercise 1.8.9.1.1

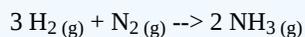
What mass of O₂ gas is contained in a 3.85 L container at STP?.

Answer

5.50 g. (0.172 moles)

Exercise 1.8.9.1.1

How many liters of H₂ gas, measured at STP, is needed to produce 85.0 g of NH₃?



Answer

168 L. (7.48 moles)

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