Question 26 (4 marks)

A gas is produced when 10.0 g of zinc is placed in 0.50 L of 0.20 mol L^{-1} nitric acid. 4

Calculate the volume of gas produced at 25° C and 100 kPa. Include a balanced chemical equation in your answer.

Ln t2HNL -7 2 U1524MBRES NET 65.4 $=0.5\times0.2$ FSTN DON-5. THOSKEZ hat 5 0,1_ 0.05 moles 0.05 × 24. 47 - 99 = 1.24 L CZSTGfrg