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.

Zn/2+2+N02-7-4 Umeles not 1574 65.41 =0.5x0.2hat is in oco 2. THOS HE 2 0,1____ 0.05 mole 0.05 × 24.47 -99 = 1.24 L (35rgfrg)