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.

$z_n + NO_3 \longrightarrow$	2nNO3 + H20 + W2(1)
1 1	
Volume of galat 24.79 L	Volume
$n(\omega_2) = 10.0$	
-44	= 5.63 L
$n(\omega_{2}) = 0, 217272121$	
= 0.2270.(3.5f)	