

Q3: A perfect gas undergoes isothermal expansion, which increases its volume by 2.48 dm³. The p_i and V_i of the gas are 2×10^2 kPa and 2.14 dm³, respectively. Calculate the p_f of the gas in (i) bar, (ii) torr. (25 points)

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Best wishes

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Q1 PV= NRT > N= RT > (0.08%)(273) -> 5.59 N= M > N= M > 1079? M= 10000 > 10? N2 = RT (0.082)(273) ? (22.386)? 1.49 N= W > 10 R 6.71? N3 = \frac{m}{N} > \frac{22.386}{}