

Subiectul B. ELEMENTE DE TERMODINAMICĂ

II. a.	$p \frac{V}{2} = \nu RT$ $\nu = \frac{m_1}{\mu_{H_2}}$ <p>Rezultat final: $p = 4,155 \cdot 10^5 \text{ Pa}$</p>
b.	$p_{N_2} = p$ $\frac{m_1}{\mu_{H_2}} = \frac{m_2}{\mu_{N_2}}$ <p>Rezultat final: $m_2 = 42 \text{ g}$</p>
c.	$\rho = \frac{m}{V}$ $\frac{\rho_2}{\rho_1} = \frac{m_2}{m_1}$ <p>Rezultat final: $\frac{\rho_2}{\rho_1} = 14$</p>
d.	$\frac{p' V_2}{T} = \frac{p' V_1}{T + \Delta T}$ $V_1 + V_2 = V$ <p>Rezultat final: $V_1 = 4,8 \text{ l}$</p>
