

**Subiectul B. ELEMENTE DE TERMODINAMICĂ**

<b>II.a.</b>	$N_0 = \frac{N_A}{V_{\mu_0}}$ $N = V \cdot N_0 = V \frac{N_A}{V_{\mu_0}}$ <p>Rezultat final: <math>N \cong 5,4 \cdot 10^{25}</math></p>
<b>b.</b>	$m_{H_2} = \frac{\mu}{N_A}$ <p>Rezultat final: <math>m_{H_2} \cong 3,3 \cdot 10^{-27} \text{ kg}</math></p>
<b>c.</b>	$N_m = \frac{N_A}{\mu}$ $N = m \frac{N_A}{\mu}$ <p>Rezultat final: <math>N \cong 3,01 \cdot 10^{26}</math></p>
<b>d.</b>	$\rho = \frac{p_0 \mu}{RT_0}$ <p>Rezultat final: <math>\rho_0 = 0,09 \text{ kg/m}^3</math></p>