

Subiectul B. ELEMENTE DE TERMODINAMICĂ

II.a.	$pV = \frac{N}{N_A} RT$ <p>Rezultat final: $N = 6,02 \cdot 10^{23}$</p>
b.	$\frac{p}{T} = \frac{p_{\max}}{T_{\max}}$ <p>Rezultat final: $T_{\max} = 3000 \text{ K}$</p>
c.	$m_{N_2} = \frac{\mu}{N_A}$ <p>Rezultat final: $m_{N_2} = 4,65 \cdot 10^{-23} \text{ g}$</p>
d.	$p_1 V = \frac{m}{\mu} RT$ $pV = \frac{m}{2\mu} RT_1$ <p>Rezultat final: $p = 0,45 \cdot 10^5 \text{ Pa}$</p>