Mengeheros Balanay, 502-001, PHO 1/2 N2 D= 1 mono, V=25 n, T=300K; W(V=1cm3, DT=1K)/W=? $W = W_0 e^{\frac{\Delta S}{K}}, \quad dS = SQ\left(\frac{1}{T-\Delta T} - \frac{1}{T}\right) = \frac{3}{2} 2 \cdot \frac{\Delta V}{V} \cdot \frac{\Delta T}{T^2} d(\Delta T) = \sum \Delta S = \frac{3}{2} 2 \cdot \frac{\Delta V}{V} \cdot \left(\frac{\Delta T}{T}\right)^2 \cdot \frac{1}{2}$ $\frac{W}{W} = e^{-\frac{2}{4}N_{0}\frac{\Delta V}{V}\left(\frac{\Delta T}{T}\right)^{2}} = e^{2.10^{14}}$ Order: $\frac{W}{W_0} = e^{-\frac{3}{4}N_{\text{th}}\frac{AV}{V}\left(\frac{\Delta T}{T}\right)^2} = e^{2.10^{14}}$