4/2//

$$\frac{N_4 - N_4}{N_4 - N_4} \approx \frac{\Delta E}{\Delta E} \approx \frac{2kT}{2kT}$$

$$\frac{N_4 - N_4}{N_4} \approx \frac{\Delta E}{\Delta E} \approx \frac{2kT}{2kT}$$

b) @ B = 3.01  $\frac{N_{4}-N_{4}}{N_{7}}=\frac{(42.58\times10^{6} \frac{N_{2}}{4})(6.6\times16^{54})(3.07)}{2(138\times10^{-23}\frac{7}{12})(300\%)}$