[Ex Phys) torude (a) PV = NRT -> N= PV = 1001 105 -23 E gebrisse 1.38.10 .273 K 2 2,68. 10 = 49,68 punde (6) l= = = = = a u = P = 1.38 10 23 2738 = 2.65 105 W l≈ 0,733 µm Jan - 13 43 Tourse 2 44 9 7 1303 = 3.1.38 10 273 - 200 0.00cy na U= 0/2 == 10 => 0 = 7 = 1178 MM Eg = 52.4 21,78 -Foreilubgrade: 4= 5 T= 273K U- 3 KD. TN ~ 9 92 10 75 N No = EV No = PX RRTH = -NH = RUT NH PX \$3 TO 310 U= EKB. To = 1,0695 - 200 F beide unter Benier-U= = 5(175. 102) 3 hilling d. Tuildenver - N=56 Uges = \$ 7,626-103 Tges = 12863K Mittlere Freiber 15-In = 3,89 grade 9(3,5) 25 0 + 316

(a) = 200 - ROUST BQ = & ONIST = 3 KR ST N N= N= Fa VA = 2,599 10+23 2 2 mol ST= 144,98 K => 10 = \$\frac{1}{2} \cdot \frac{3}{2} \cdot \cdot \frac{3}{2} \cd SON BONDES (b) AV= Re = 0,002 m3 A >= 0 C= 3 KB - N AGE = Risa & C'ST + P-DV ST = P-SV NKS AQ = C- P-SV on + PAV = 3.18.N. PV = 5.0V = 600 5 Min geiden To= 320 R- 145 R+ 58 R= 233,97 R Drit be - 1 halten, at a missen Teilden schluller Da3 = Wa Sliger DW= 1900-600/3= 3002 vid son Gas fellistet.