

53 6s igual a 22. 4 litres por mol 5.5 Cs (goal a 8,314)/mol-K) 6.1 Provi = Pz x V1 ZXPIXVI = PIXVI ZXP1XVI = PIXVIXTZ 2=12 -> Tz = 2 XT1 +z=28300K=600K 6.3 P1 = (nxR x T) P1= 3 molesx 8,31)/mol-K x 400 K P1 = 3 x 8, 31 x 400 = 2498,6 Pa P== 2 × P1 Pz=2×2493,6 Pa Pz=4987,2

7.2 T1=0C+273,15=273,15K Tz=100°C+273,15 = 373,15K $\frac{V_1}{243.18} = \frac{V_2}{343.18}$ Vz = (V1 x 373,15) Vz = 2 /tyos x 373, 18 Yz = 2,73 litros 7.4 Tz = (-100 (+ 273, 75) = 173, 15 K V1 = VZ 300k 173,18K V= V1 X 173,15 X Vz=(31,7rosx 178, 15 K Ve 1, 7315 11 103

8,1 PIX VI PZ VZ Salmacing Pex 11. Tro Re: (3atm & zlitros) Pz = 6 atm 802 P1 x V1 = P2 x V2 2 atm x 10L = 4 aton x/2 204 = 4atmx 1/2 20L=V2 -> V2-5L (P) q, 1 PTOTAL = POZ + PNZ 3 atm = 1 atm + PNZ PN2 =32m-12Tm PNz = ZaTm Ptotal = PHzO+POZ 9,5 Yatm= latm+Poz Poz = Yatm - laton Poz=3atm

10,1 PV= Zn RT Z = P.X Z = 2 atm x 3L 2 moles x 0,0821 (x 300 K z = 1,006 10,2 P.V = ZNRT n= RX n = Yatmx SL 0,0821L & 330 K n=0,234 moles Z=PY nRT 2 = Yatmxsl 0,234 moles × 0,0821 L x350 K Z=0,983