2. N= 1.519 = 0.0124 mol € 0.0124 x3.23×106=(2.6×4.2×103+C)× (21.84 -19.23) C= 4447 J. 27 QQV = -41.4x 32 = -662.4 KJ.mol-1 OP = QV TANGRI = -662 4×103 + (-1)×8.314×298= -664877 (). mol7 QD = -6649 K) mol-1 5.11. DrHO = 4x Aftim (COLGI) + 2xAftim (H2O(4) - 20ftim (Cstalgi) = -2598.86 KJ:mal7 12) DYHO = 3 Of HOm (COLG)) - 2 Of Hom (FOLOSIS) = 469.08 KJ·mol-1 **D**.7. CHOH (1) + 3 02(9) = COLG) + HOLY & SYHO = OCHOMICHSOHU) -726.51 KJ-MO/7 af Hm (Hw)(1) = -285.83 K) mo/-1 Af Hm (CO(g)) = -393.14 K) mol7 DYHO = AfHmo (HW(U) + AfHmo (COL(g)) - Of Hmo (CH3OH(U)) OFHmo(CH; OH(U) = OFHmo(H, O(U)) + OFHmo(Con(g)) - SYHO = 47.54 K/·mo/7

10.(1) 2HBy(9)+Cl2(9)= 2HC((9) +By2(9) Sm ()mol-1. (-1) 198.59 223.1 186.8 245.35 DYSm0 = -1.33 J. Mol-1.K7 12). NHYCI(S) = NH>(9) + HCI(9) 94.6 192.34 (86.80 DYSm = 284.54) mot K-1 13). KD. NH4C1 (5) = NH4t(aq) + C1 (aq) 94.6 113.39 56.73 1 r Sm = 75.57 J. mol-1. KT 2 Fee (s) (s) +3C(s) = 3002(9)+4 Fecs) 5.740 213.64 27.28. 87.40 DrSm0 = 558.02 J.mol-1. K-1 PC13(9) + Ch = PC15(9) 1211. 1 fly0 -287.0 0 -374.9. KJ:m0|-1 Sf amo 0 -305.0 KJ-No DyH0 = -87.9 KJ.mol7 Drg 0 = -37.2 KJ·molt DGO = DYHOTOYSO

1+50 = OrH-Orgo = -0.17K)·mol-1. K7 12. 17 NH4CI (S) = NH, \$(g) + HC((g)) 15 Gm: -203.0 -16.43 -95.30 Dram = 91.22 KJ. mal-1 (2). SO(0) TI(9) + 2H2O(1)=H2SO4(1)+2HI(9) OF GMB -300.19 19.359 -237.18 -690.06 1.70 Drame = 68.531 KJ.molt CaO(s) + S(3(g) = CaS(4(s) AGM -604.0 -371.08 -1326.88 BYGm=-35/.8 KJ·mol7/<0 能够进行 18 1) Of Gm [HOW] = -285.830 KJ. MO]7 2 of Gmo [How] - of Gmo (Nothy) = SVGmo = of Cint [Nother] = 20 = Cint [troll] - Dramo (2). =51.54KJ-mol-1 N2H4 (9) = N2(g) +2H3(g) Drame = - Afame [N2 H4 LU] = -51.54 K) · mol-1 <0 二能分解. 20. Bac()3(5)TC(5) = Ba()(5) + 200(g) 44Hm 0-1216.3 0 -553.5 -110.51 haj-1 /12.1. 5.740 70.42 197.56 J.mol7.k-1

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