2.
$$Q = 2600 \times 4.184 \times 07(J)$$

 $Q = 2600 \times 4.184 \times 07(J)$
 $Q = 1.51 \times 3.23 \times 10^3 \times 10^3 (J)$

: C=4447 (J/c)

3.
$$Q_v = \Delta U = -41.4 \, \text{kJ} \times \frac{32}{2}$$

= $-662.4 \, (\text{kJ/nol})$

PV= nRT

= -661877 (J/mol)

5. (1)
$$\Delta H = 4 \times (-393.14) + 2 \times (-285.83)$$

- $(2 \times 2^2 7.32 + 5 \times 0)$

$$= -2598.86 (I-J/nol)$$
12) $\Delta_{r}H_{m}^{\Theta} = -393.14 \times 3 - 2 \times (-8)4, 925)$

= 469.43 (FJ/mol) GH30H(L) + 302(9) = co2(9) + 21/20(L)

- 1 x0 - Of Hm (CHOH)

Date:			

10.11) Dr Sm = 245,32+2x186,80-2x148,59-22/1 =-1,33(J/md·k))

(2) Sr Sm = 186,80 + 192.34-94.6 = 284.54]/

11. Or Hm = -37+,9 - (-287.0) = -87.9 kJ/nd Or Gm = -305.0 - (-267.8) = -37.2 kJ/nd Or Sm = Or Hm - Or Gm

= -170 J/(mol/K)

[2.11] $\Delta_r Gm = -95.30 + (-16.48) - (-263.0)$ = 91.22(KJ/mal) 不序を自发(298KT) (2) $\Delta_r Gm = 2x1.70 + (-690.06)$ - 19.359 - 2(-237.18) - 300.19= 68.531(KJ/mal)

288片下,不能自发

西安交通大學 教材供应中心

电话: 029-82668318(东区) 82655434(西区) 86652038(城市学院)

Dram = JAm - T. Dr Sm Dr Hm = -1434.11-(-395.72)-(-635.1 =-347,24812 (KJ/mol) 298 KT新启发进行 18. (1) -237,18x2 Sf Gm (N2H4) = -623,21=1/mad :. Of Gm (N2H4) = 148.84[K]/ma) 12) N2H4 (1)=N2(9) +2H2(9) Dy Gm = -148.84 (KJ/mal) 全分解.

No:
Date:
Drim = 2x(-110.52) + (-553.5) - (-1216.3) = 441.76 KJ/med
= 441.76 KJ/mel
$\Delta_1 (m\theta = 2\times197.56 + 70.42 - 5.740 - 1121$
= 347.7 J/mal·k)
Oran = Or Hm - Or Sm xT <0
: 7> <u>dr/-lm</u> = 1270 k.
1 - 12/0 x.
LANGER - Hay LOUIS SELVER-
The second of the first of the
(8) HE - Charle W. = (4) Hall
Canton Philadelle

百安交通大學 教材供应中心

电话: 029-82668318(东区) 82655434(西区) 86652038(城市学院)