LF elisempelsemesteprace 2, kap 9-11

- 1. Def.
- 2. Varme ut au beholderer, inche eregi auter

 E=H-PV. PV-Vont

 H-auter

 =DE-auter
- 3. Def $w = -P\Delta V$ Se etters boke
- 4. Att = 2 ks/mol
- 5. SH' = 3.227 kg 49 kg = 632 kg
- L. $H_{20}(L) = H_{20}(G)$ $\Delta C_{p} = (2,02 4,184)J/Kg = -2,164J/Kg$ $\Delta H_{1} = 40,66 \text{ ks/md}$ $\Delta H_{2} = \Delta C_{p} \cdot m \cdot \Delta T$

= -2, \UI)/kg. \B,02gl md. (340,2-373,3)K. = \290,7-]/md

= 1,29 ks/mol

14 = 14, + 14 = = 40,66 ks/mol + 1,29 w/mol = 41,95 ks/mol

7. $V^{\frac{1}{4}}$ E = 9 + W PAU = ANRT DN = 1.5 mod = 9 - 4NRT = 4285,8 W mod - 1.5 mod. 8,31451 J (Kmod. 296K. 100) = 282,1 W J

AHLO pga bindingseregi (bindes sterhere > energi må trisjkares =) Trengu mer energi for å bryte) 1520 pga antall gasomolelyler.

d) blandes una bevesslese i voodere, inger bindinger of. . som brojtes.

12.
$$\Delta G^{\circ} = \Delta H^{\circ} - T \Delta S^{\circ} = 0$$

$$\Rightarrow T = \frac{\Delta M^{\circ}}{\Delta S^{\circ}} = \frac{S8.51.10^{3} \text{J/mol}}{\text{qe,q2Je'mol}} = \frac{629.7 \text{k}}{4}$$

Jahn Gilatin

 $\Rightarrow V_{69} = \chi^2 \cdot \frac{\chi}{2} = 6.0273^2 \cdot \frac{0.0273}{2} = 1.02 \cdot 10^{-5}$