



$$\Delta H_{g-d} = \Delta H_g + \Delta H_d = -393.5 + 395.4 = 1.9 \text{ kJ}$$

6.4) heat loss H_2O = heat gain cooler H_2O

$$m \cdot c \cdot (330 \text{ K} - T_f) = m \cdot c \cdot (T_f - 280 \text{ K})$$

$$T_f = 311 \text{ K}$$

