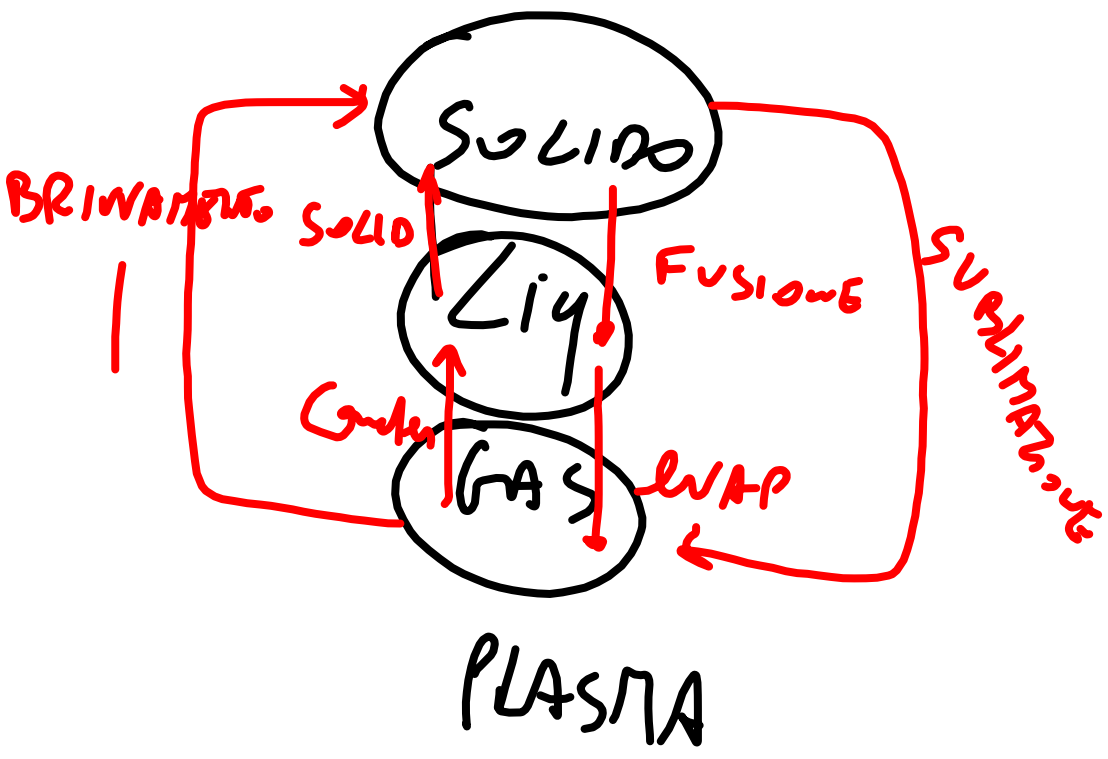


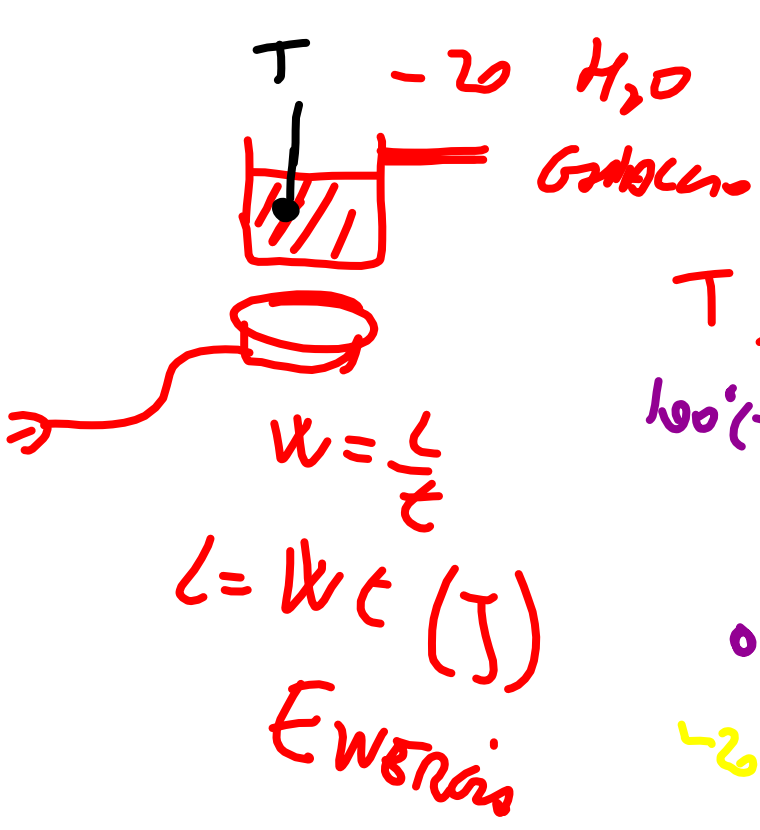
PLASMA

NAFTALINA

GHIACCIO SECCO

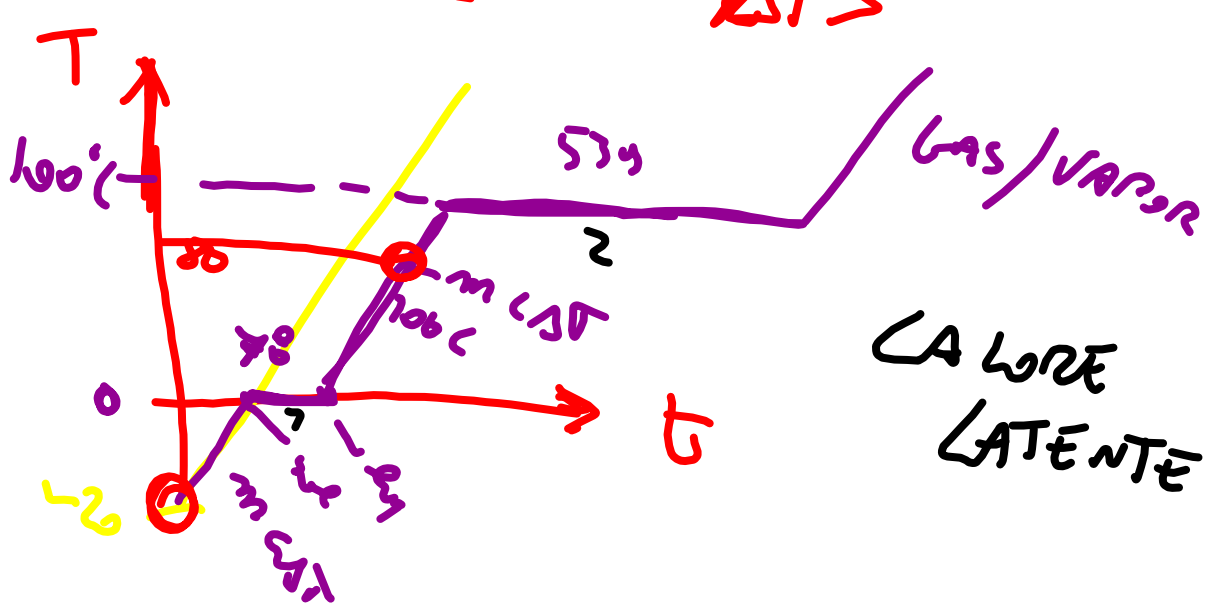
CO_2

$T \simeq -56{,}6$



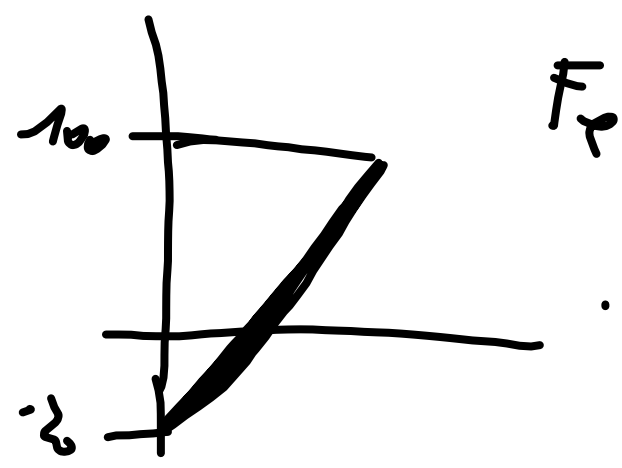
$Q = E = m c \Delta T = k \Delta T$

$E >$ $\Delta T >$



$\Delta E_1 = m \lambda_f$

$\Delta E_2 = m \lambda_{ev}$



MATERIALE $\nearrow T_f \quad \lambda_f$

$\searrow T_e \quad \lambda_e$

$m = 7\ kg$

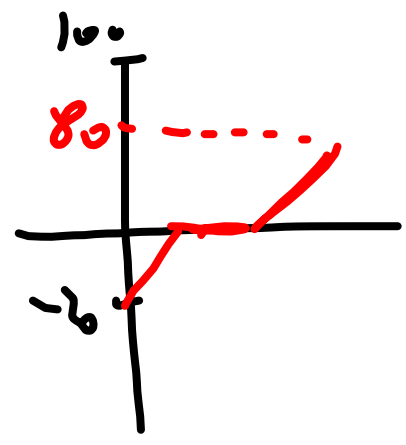
H_2O

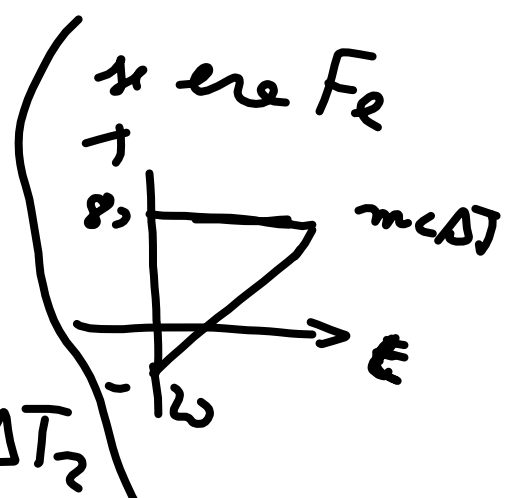
-20 a 80

$\Delta E = ?$

$H_2O \nearrow T_f \quad 0°C$

$\searrow T_E \quad 100°C$





$\Delta E = mc\Delta T_1 + m\lambda + mc\Delta T_2$

$= 7\ 2090\ [0-(-20)] + 7\ 334 + 7\ 4186 \cdot (80-0) =$

$kg \frac{J}{kg\,K} K$

$m J \quad \frac{J}{kg} \cdot kg = J$

300 Ton FRUTA H_2O

$t = 30°C$

$t_f = 4°C$

$Q = mc\Delta T$

$= 300000 \quad 4186 \quad (4-30)$

$= -3{,}27\ 10^{10}\ J$

$t = 22\ h$

$W = \frac{L}{t} = \frac{3{,}27\ 10^{10}}{22 \times 60 \times 60} = -\ W$

$\eta = 70\%$

$W_m = \frac{W}{\eta} =$