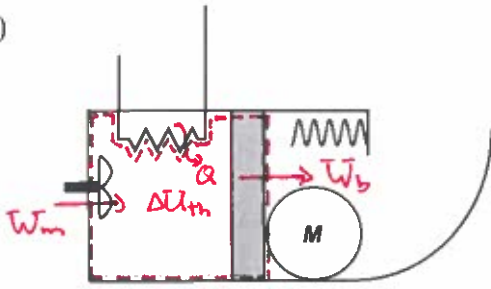


**MEC1210 Automne 2024, TD1: Problème à faire en classe (solutionnaire)**

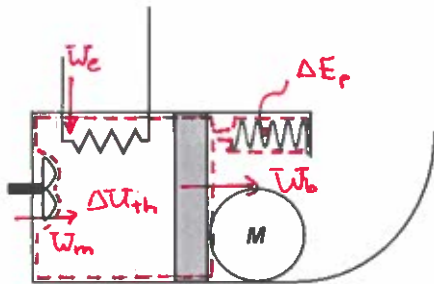
a)



i)  $\Delta U_{th}, W_b, W_m, Q$

ii)  $\Delta U_{th} = W_m - W_b + Q$

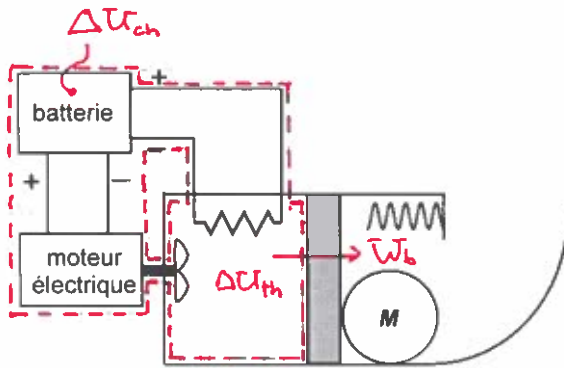
b)



i)  $\Delta U_{th}, \Delta E_p, W_b, W_m, W_e$

ii)  $\Delta U_{th} + \Delta E_p = W_m + W_e - W_b$

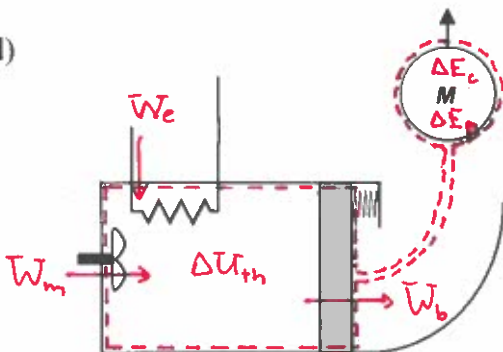
c)



i)  $\Delta U_{th}, \Delta U_{ch}, W_b$

ii)  $\Delta U_{th} - \Delta U_{ch} = -W_b$

d)



i)  $\Delta U_{th}, \Delta E_c, \Delta E_p, W_b, W_m, W_e$

ii)  $\Delta U_{th} + \Delta E_c + \Delta E_p = W_m + W_e - W_b$