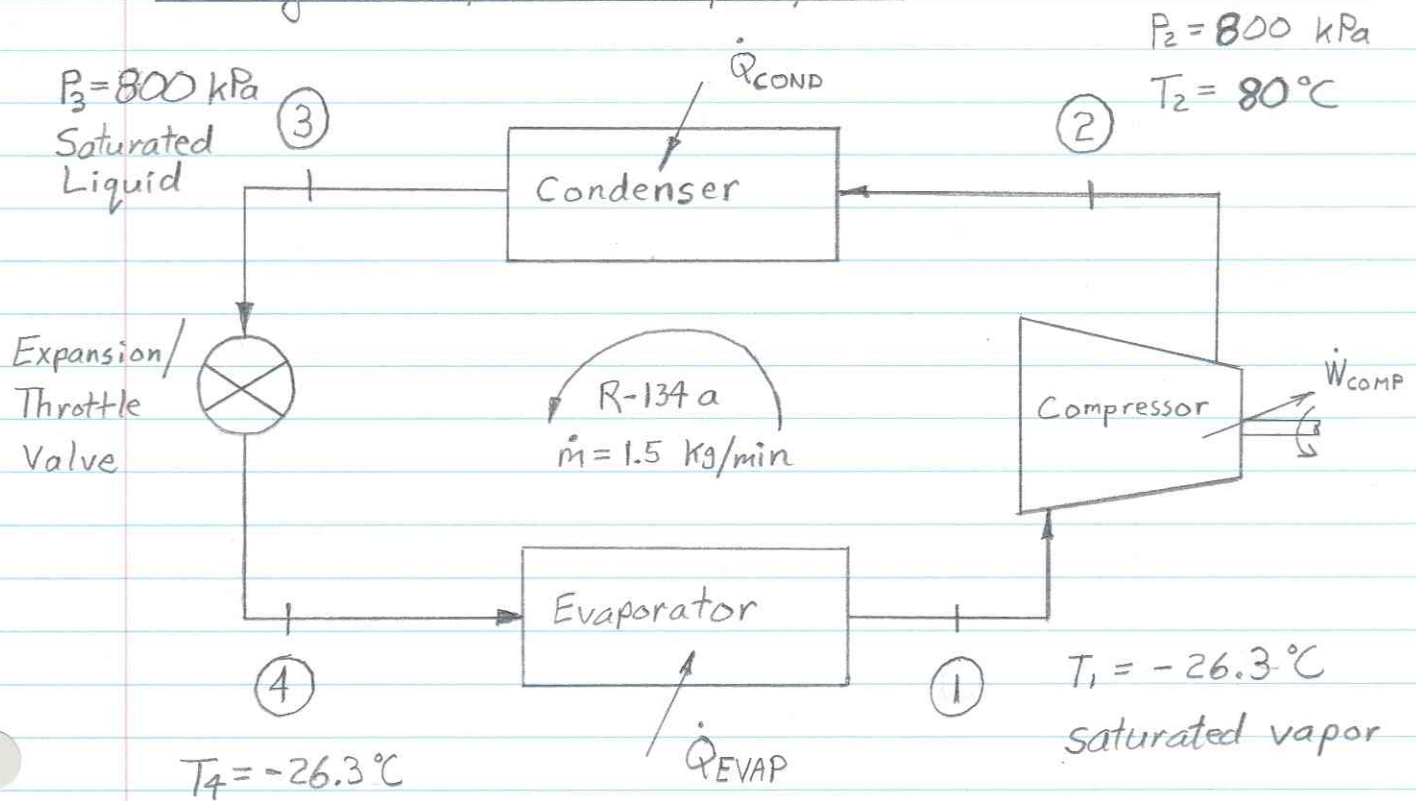


Refrigeration / Heat Pump Cycle



Assumptions:

1. Steady state, steady flow in all devices
2. Compressor and throttle valve are adiabatic
3. $\Delta KE = 0$, $\Delta PE = 0$

Determine:

- (a) \dot{W}_{COMP}
- (b) \dot{Q}_{COND}
- (c) \dot{Q}_{EVAP}
- (d) Coefficient of Performance, β