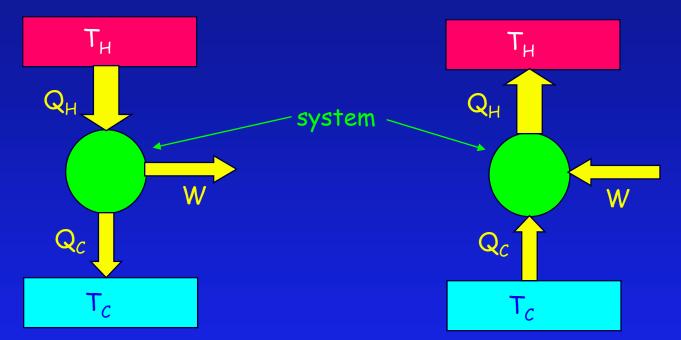
Engines and Refrigerators

"HEAT ENGINE"

REFRIGERATOR



system taken in closed cycle ⇒ ΔU_{system} = 0
therefore, net heat absorbed = work done <u>by</u> system (W)
Q_H - Q_C = W (engine)
Q_C - Q_H = -W (refrigerator)
energy into green blob = energy leaving green blob