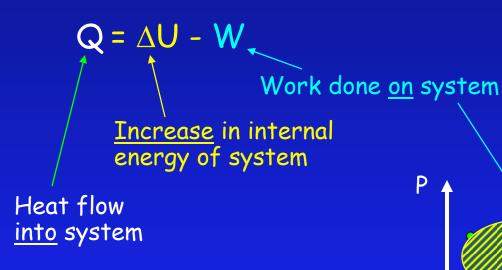
Summary:

→ 1st Law of Thermodynamics: Energy Conservation



- point on p-V plot completely specifies state of system (pV = nRT)
- work done is area under curve
- U depends only on T (U = 3nRT/2 = 3pV/2)
- for a complete cycle $\Delta U=0 \Rightarrow Q=-W$

