15D1 - PV Diagrams and Processes

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| **Isobaric:** Constant Pressure  Expansion: Q = ΔU + W  Compression: Q = ΔU + W | **Isochoric: W = 0.** (Constant Volume)  Heating: Q = ΔU + W  Cooling: Q = ΔU + W |
| **Adiabatic:** Q = 0. (No heat flows)  Expansion: Q = ΔU + W  Compression: Q = ΔU + W | **Isothermal:** ΔU = 0. (Constant Temperature?)  Expansion: Q = ΔU + W  Compression: Q = ΔU + W |