15D1 - PV Diagrams and Processes

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