## Change in Enthalpy: $\Delta \mathrm{H}$



Change in Enthalpy $\approx$ Change in system energy
...if the volume change or work done by the system is nearly zero

In chemistry we measure $\Delta H$ for reactions knowing that in many cases it is the same as the change in internal energy when $\Delta \mathbf{V} \approx 0$.

## Changes in Chemical Enthalpy



## Changes in Chemical Enthalpy



