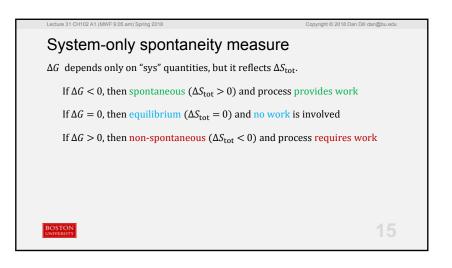


Free energy change, ΔG The general expression for free energy change can be rewritten in terms on the system enthalpy change and system entropy change, $\Delta G = -T\Delta S_{\rm tot}$ $= -T\Delta S_{\rm sur} - T\Delta S_{\rm sys}$ $= +\Delta H_{\rm sys} - T\Delta S_{\rm sys}$ The components of ΔG are usually written with "sys" omitted ... $\Delta G = \Delta H - T\Delta S$



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Using temperature to change equilibrium: K versus T $\Delta G, E, \Delta H, \Delta S, Q, K$, and T

