Thermodynamics

November 20, 2024 7:52 AN

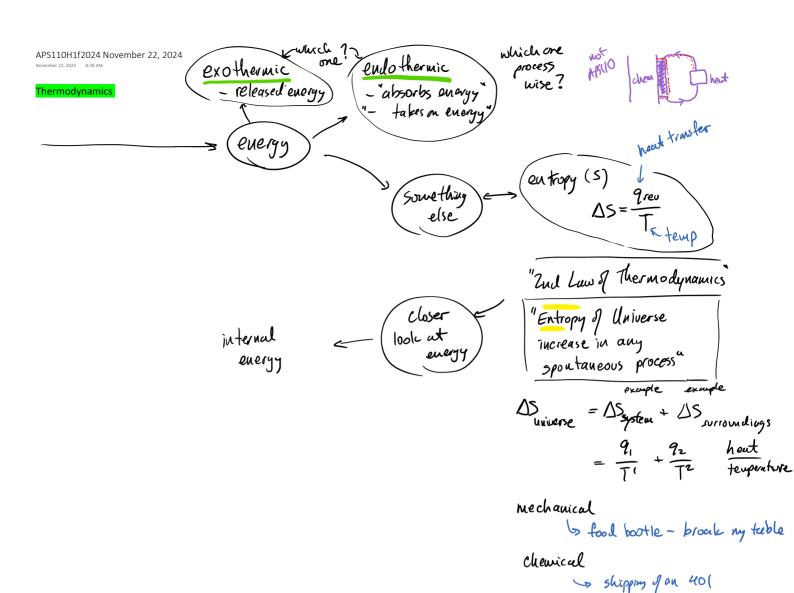
why do

some things

happen on their own?

Mechanical? or

a chemical process?



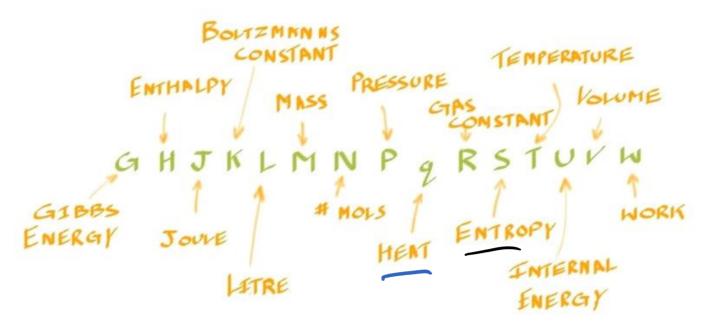


Figure 1. The thermodynamic alphabet.

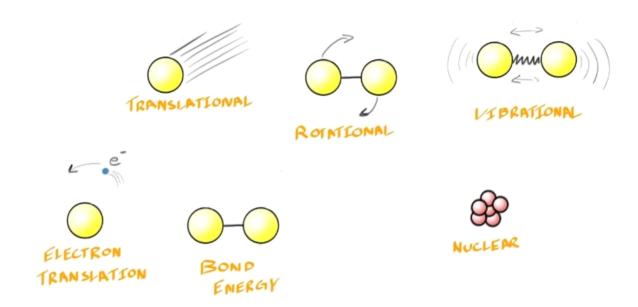
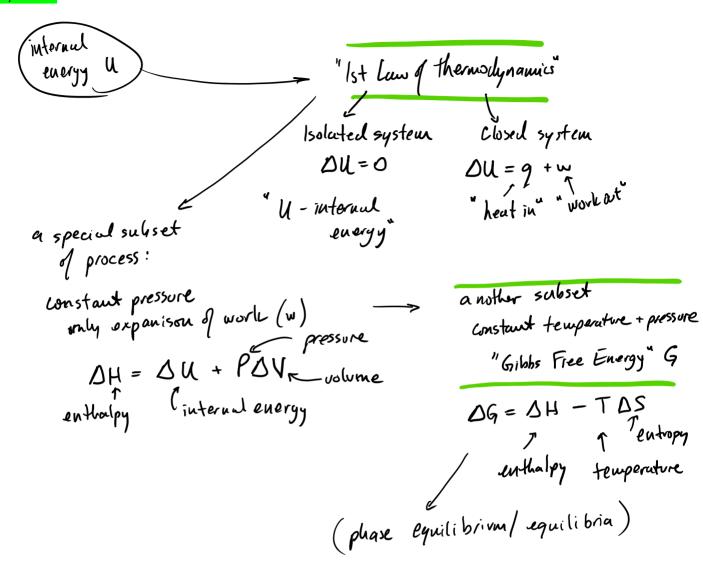
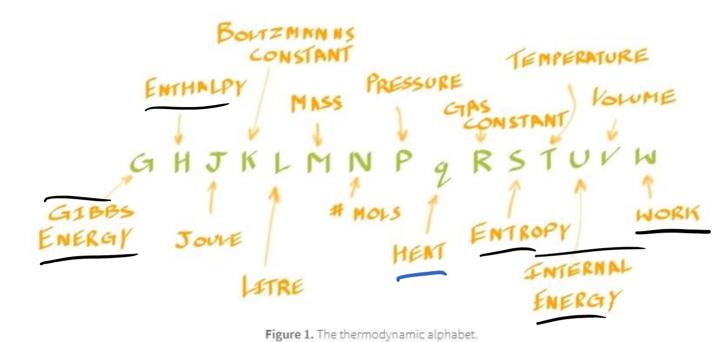
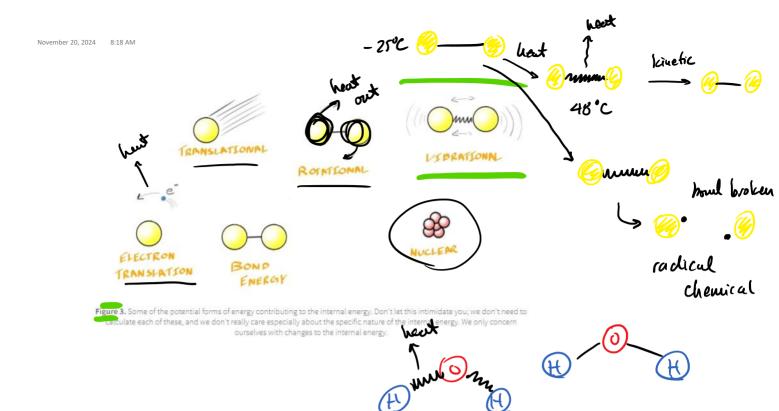


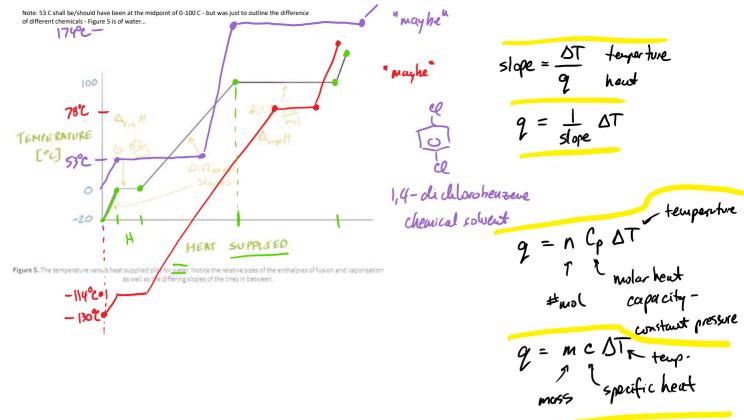
Figure 3. Some of the potential forms of energy contributing to the internal energy. Don't let this intimidate you; we don't need to calculate each of these, and we don't really care especially about the specific nature of the internal energy. We only concern ourselves with changes to the internal energy.

Thermodynamics

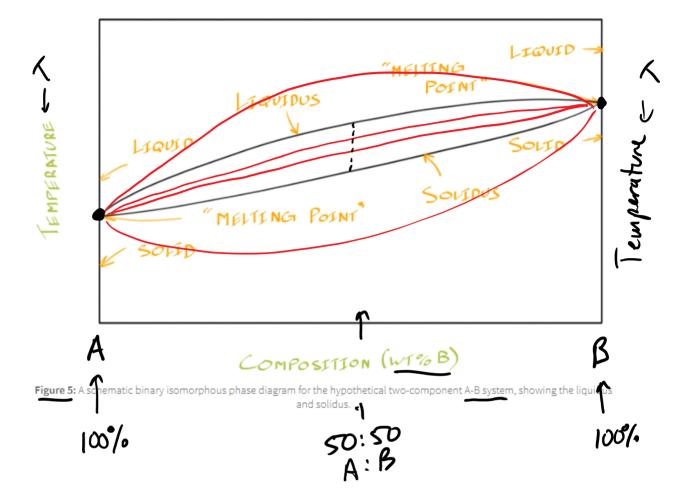








Thermodynamics



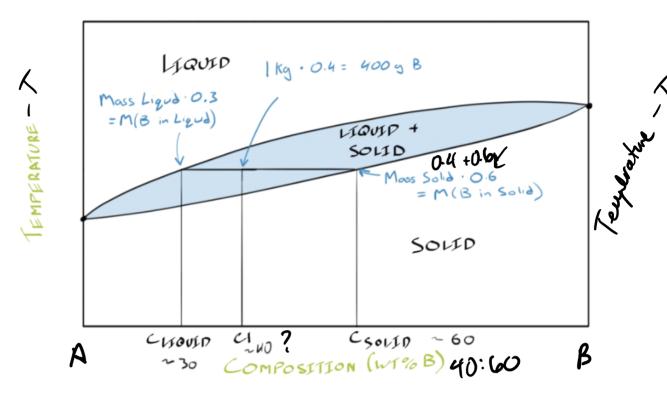


Figure 11: A 1 kg sample having a composition of 40 wt% B contains 400 grams of component B, separated into a mass of B in the liquid, M(B in Liq) and a mass of B in the solid, M(B in Solid).

