Thermodynamic Identity DE = TIS+ dR; dR differential Alternate Thermodynam 16 DR=-PdV generally wood and dR= PdV generally dH Combmed 15t 8 2 d laws Reversible changes E=E(S,V) New Potantiols En thapy & W dw = E + Pav + vap Itaw de + de l'increment heal but DE = TOS-POV do? quantity? dW= TdS+VdP 12 1cm water; Calorie Heat capacity 100 (specific heat)

Lepande on how do it More pot: Fre Energy (012) IF- JE-TOS-SOT dF=-SdT-Pavl Thermidy namic Pody Gibbs Free energy Cy=(3T) system does thermal exp. hard = Tasy JP = dF + PdV + VdP Stimble Sdt + Vd.P9 friendly voribbler Legovi Cp = T(35) exp. Busier Galorimetry reminder Hand