efor a real gas: M=(T,P)=M°(T)+RT INFO * f = fuggicity (effective pressure that areal gas exerts) · 6m C6m Ideal FCP (attractive range) · 6 mired >6 mided F>P (repulsive rege) . Fugacity and pressure related a Gm = Vmolp inf=inP+ \ = 1 dp or f= P exp[os(2-1) clp) A F = 4(P,T)P ~ 4 is freacity coefficient · under typical lab condition, frigacity of a gas can be set equal to its portial prossure if PIVIOR T are not close to new critical value. 8.1 What belevimes the Relative Stability of the solid, Liquid, and Gas Phases? · diff substances at at diff praces depending on factors such as tempt pressure,

reminder Gibbs energy, G(T, P, n)

"charajoin P ond T.

(3M) = -Sm and (3M) = Vm

(3T) p = -Sm and (3M) = Vm

CENTRALE GOILS.