examin change in E with time Sto E= H in mech.

At JH

Aimedep 2(t) dt = JH

Timedep 2(t) dt = JE dE=35=35社 assume & is small g E >thermo るとは、ころをからい。ころうからいからいからいからいかります。 redefine temp as (多多) = 十 Thermodynamic identity n = number = # of part volume occupied

V~ 1 ; 173 average part seperation a) different phases

and V(r) interpart pot V(r) minmum sep V(V) = - const. 6-12 potential re in addition, have K.E. \*E/pert ~ lest when cold atoms liquid of ro 50178 0000 gas K.E. dominant three phasess gos, liquid, solid now raa atom dismeter ligned Soolid have equilib