trace element Partitioning E-Strain= relative deformation = 11-16 = dv Strain of 0~0~0 J= Stress = force per area = A lattice E=Young's Modulus = 5 Surface area of sphere W=F-d=+A-d=OAd A= YTTV? Displacement W= FEAd J= V- V6 W= Edv 4TT (2 (v-vo) W= [HIT ((-(a) d) $W = EHM \int_{r_0}^{r_0} r(r-r_0) dr$ $W = E \left(\prod_{s=1}^{1} \left(r_{s} - r_{s} \right)^{s} - \frac{r_{s}}{2} \left(r_{s} - r_{s} \right) \right) = AG_{s} + r_{ain}$ Wis the energy needed to displace (strain) crystal lattice

vecall AGI = -RTINK

and AG ~ -RTIND

Thunction of prossure, T, composition