to identify the material Experiment 1 · Density & Distance between Alomes Denvoity = P= M = LxWxT • In Mehal : atomes are of spherical & iclentical = (lattice structure) elmast Total number of atomes: N= n Na = M Nas A rogadro's no The storic mass of The Matorial $N = \frac{M}{Pa^3}$ $\Rightarrow \alpha = \sqrt{\frac{3}{PNa}}$ now uncertainty in s: DP - DU +M DV

P = DM +AV

AV = WTDL + WATL = AV = AL + AW + AT

than Hami