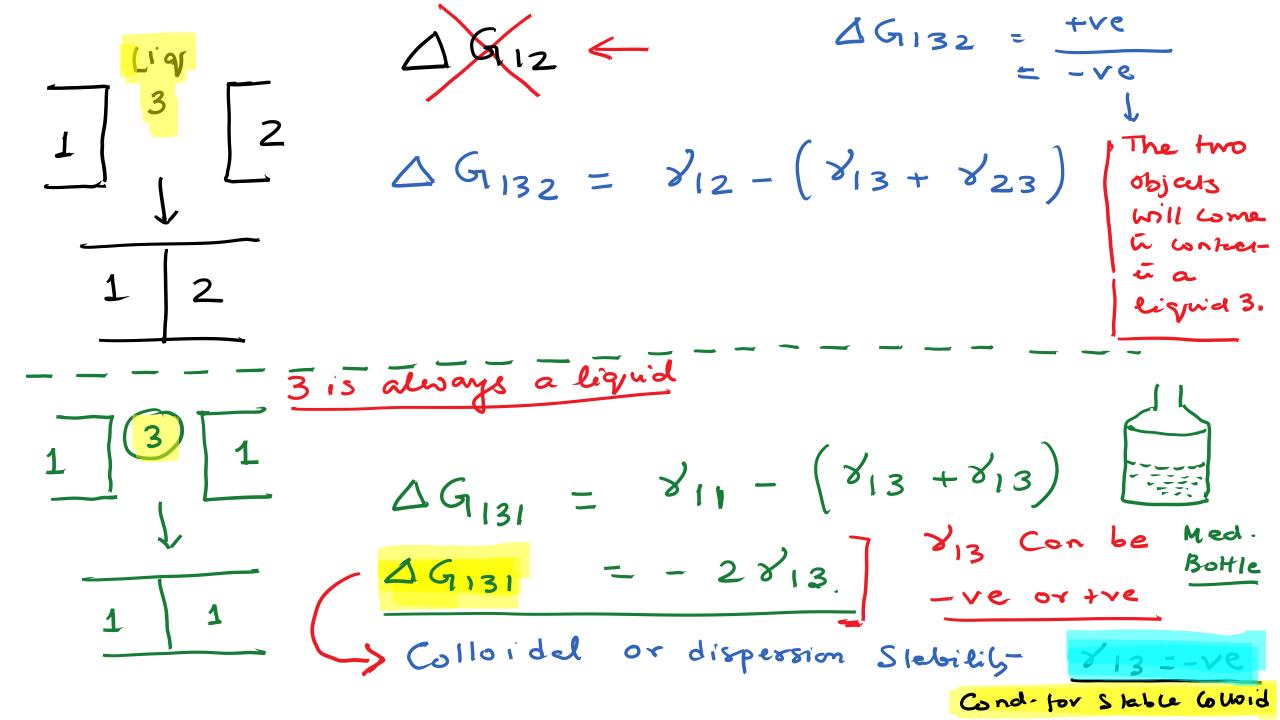


Suffece Tensim is always + ve 1 1 $\triangle G = \forall 11 - (\forall 1 + \forall 1)$ 71 = +ve = 811 - 281 => 1611 = - 28/ △G11 = - ve Assumbtion = 811=0 Adhesion of Similar Objects is fevor as a dir or vaccion. 1-1 > Interfece between 1 and 1

Assumption/ Implication: As if the interfece between the two original blocks of I are not distinguisable and It behaves like a single large object.

Two tiny drops Longe



Different Enersy of interaction of 1 molecule of 1 and 1

molecule of 2, When they

Were is bulk vs. When they

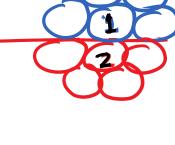
are at the interfece.

112 = (Enersy of interaction of a pair of molecule at surfece) - (Enersy of- Interaction of- the

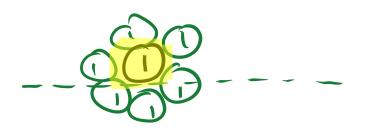
Some Pair When in Bulk)

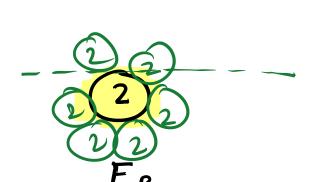
P12 = (Es) - Eb

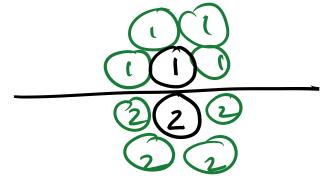








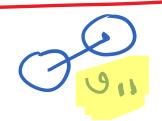




$$\mathsf{E}_\mathsf{S}$$

Components of Surface Tension: -

O11, 022, 012



ZII = Co-ordination No. ~ Phose 1

Z22 = Co-ordination No= Phose 2.

U11 = Pair wise interaction Potential between two moleculi of 1

(VdW, may include Poler Int, Steric interaction)

11 = 0 LW + 0 AB + 0 ST + ---Van derweel Poler | CPolymer)

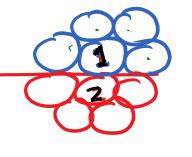
Total intermolecular Interaction Itishlista mol of 2 is subject to is (G22Z22)

Acid - Base Int Present Always.

ZII = Co - - ordination No. in Phose 1

Zzz = Co-ordination No= Phose 2.

U11 = Pair wise interaction Potential between two moleculis of 1



022, 012 = 021

Z115, Z225, Z12, Z21

-> Eb = Z11 411 + Z22 022 P12=Es-Eb

Es = Z118011 + Z12012 + Z228022 + Z21021