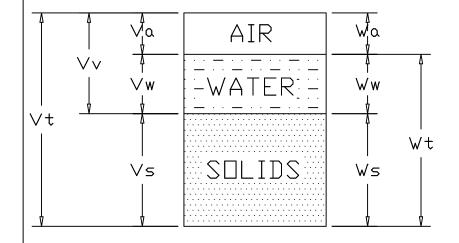
PHASE DIAGRAM OF SOIL SAMPLE



 $\forall \textbf{solids} = \underline{\forall s}$

Va = Volume of air
Vw = Volume of water
Vs = Volume of solids
Vv = Volume of voids
= Va + Vw
Vt = Volume of soil
= Va + Vw + Vs

(total volume)

= unit weight of solids, (pcf), (Kg/cubic meters)