



Case I: if $\gamma_L > \gamma_s \Rightarrow \Delta V_L > \Delta V_s \Rightarrow \therefore \Delta V_a = \Delta V_L - \Delta V_s$

$\Delta V_a = +ive$

App. the liquid expanded.

\Rightarrow overflow of liquid takes place



Case II: if $\gamma_L < \gamma_s \Rightarrow \Delta V_L < \Delta V_s \Rightarrow \Delta V_a = -ive$

Apparently, we will feel as if the liquid contracted with rise in temp.

Case III: if $\gamma_L = \gamma_s \Rightarrow \Delta V_L = \Delta V_s \Rightarrow \Delta V_a = 0$.

Apparently there is no expansion of liquid.