As a moterial goes from liquid to a solid, it loses entropy by emitting heat

this is latered heat
$$Q = T\Delta S = mL = intersive quantity$$

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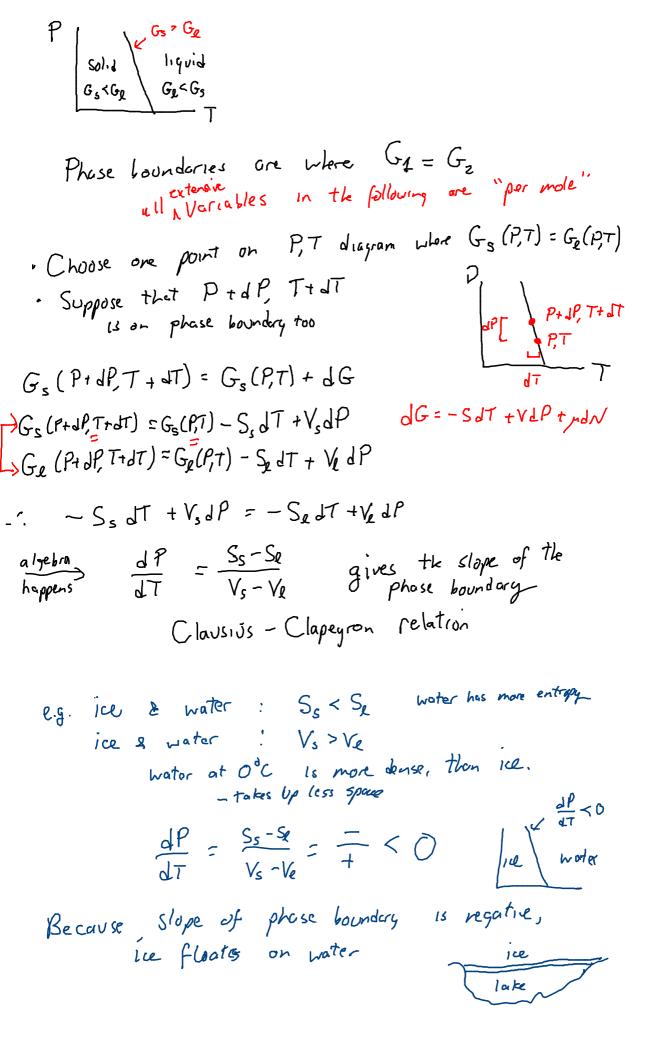
$$\Delta S = \pm \frac{mL}{T} = S_Q - S_S$$

$$\frac{dP}{dT} = \frac{\Delta S}{\Delta V} = \frac{mL}{T\Delta V} = \frac{m}{4} = \frac{1}{\sqrt{V} - V}.$$

$$\frac{dP}{dT} = \frac{T\Delta V}{T\Delta V} = \frac{m}{4} = \frac{1}{\sqrt{V} - V}.$$

$$= \frac{1}{\sqrt{V} - V}$$

1.37×107 N/m2 x (0.02) m2 weight of 550 kg.



This picture?

What's wrong with this picture?

either No!

- Va< Ve much bigger than liquid an Sa< Se gasee has prove entry than liquid.