

11.38  $\text{C Cl}_2 \text{F}_2$   $H_v = \frac{289 \text{ J}}{1 \text{ g CCl}_2 \text{F}_2}$   $\rightarrow \text{g CCl}_2 \text{F}_2$

$\text{H}_2\text{O}$   $200 \text{ g H}_2\text{O}$   $T = 15^\circ \text{C}$   $H_f = \frac{334 \text{ J}}{\text{g H}_2\text{O}}$

$C = \frac{4.18 \text{ J}}{\text{g H}_2\text{O} \cdot ^\circ \text{C}}$

$MC\Delta T + MH_f$   
 $(200)(4.18)(15) + 200(334)$   
 $79340 \text{ J}$

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$\frac{1 \text{ g CCl}_2 \text{F}_2}{289 \text{ J}} \times 79340 \text{ J} = 274.53 \text{ g}$

$Q = mH_v$   
 $m = \frac{Q}{H_v}$

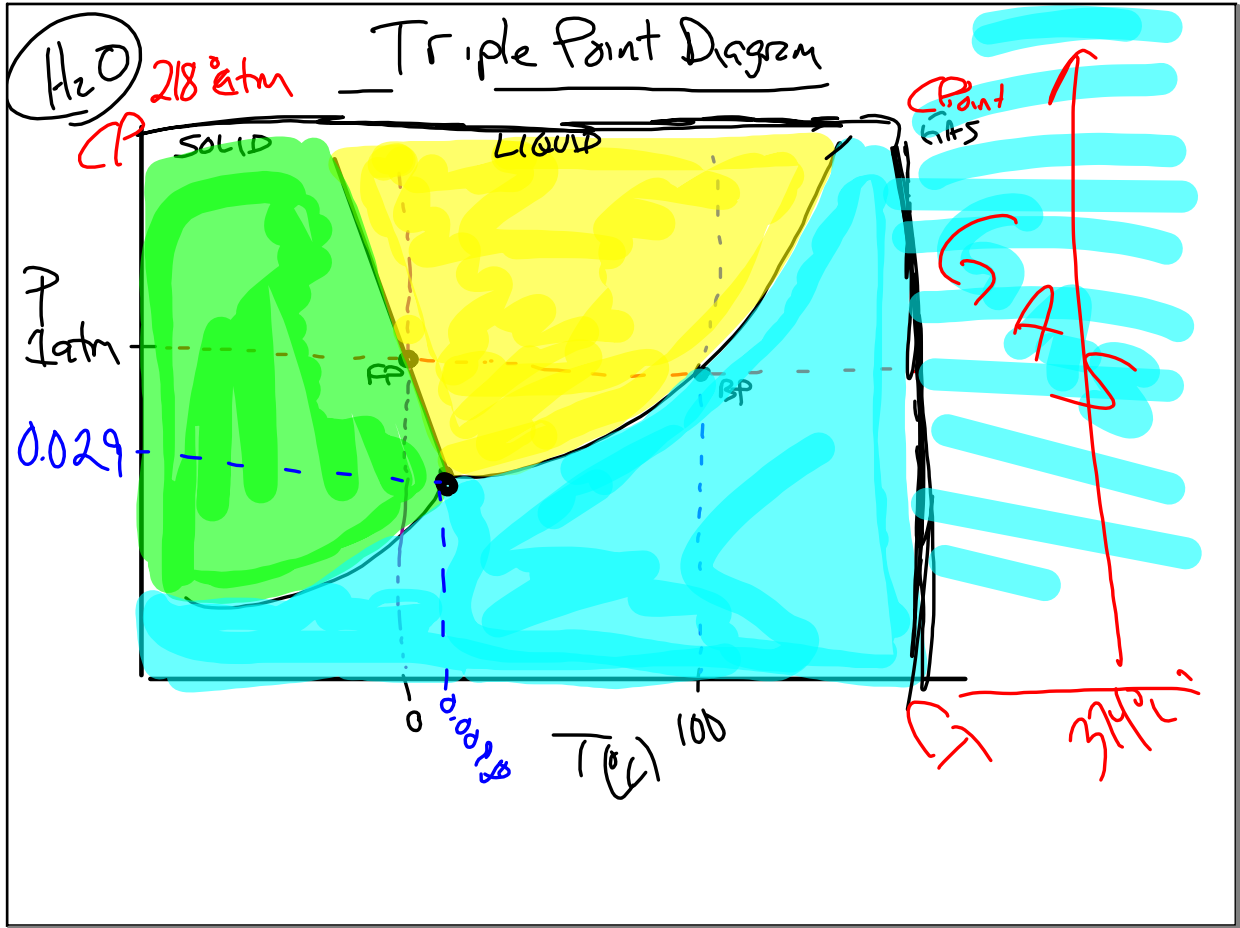
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Boiling Point  $VP \geq P_{\text{atm}}$

Pressure of the substance pushing  $\uparrow$

Pressure of Atmosphere pushing  $\downarrow$

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Dec 21-8:15 AM