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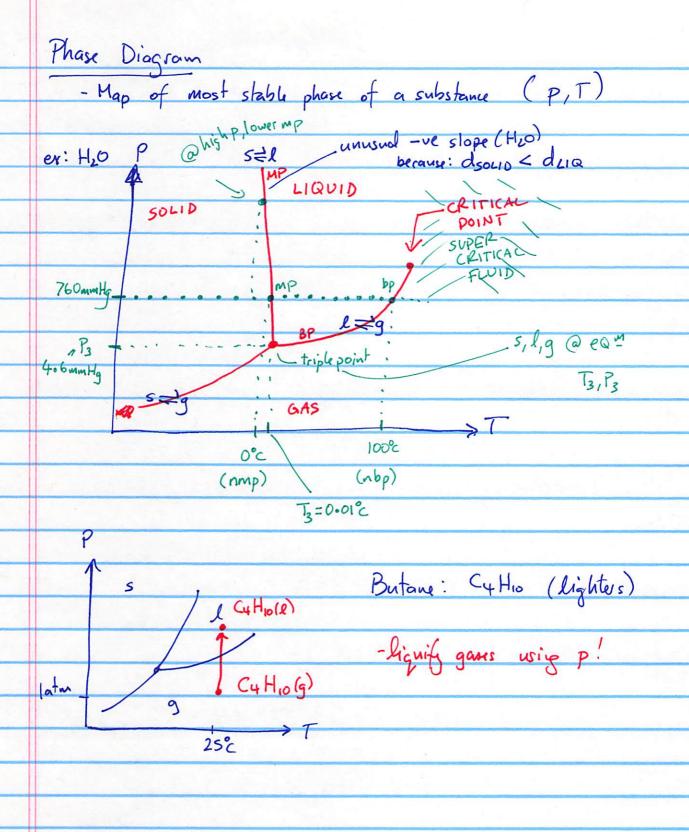
Sub	lima	L.
0		100

(S) -> (g); AH sub (have to break all IMF) Atlanb > Atlan Atluap

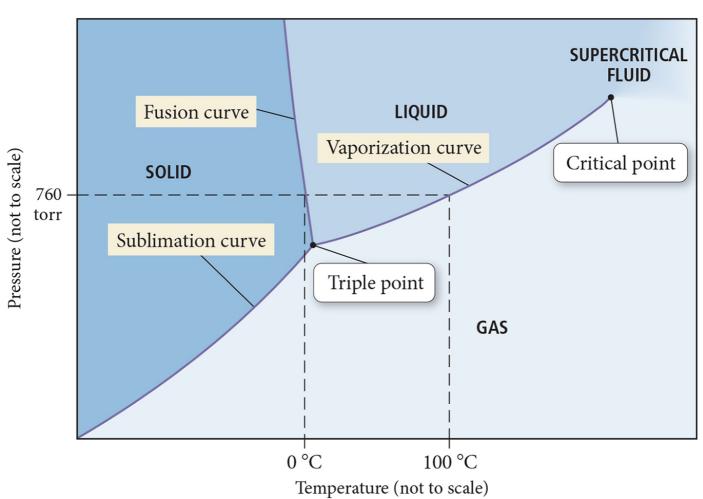
ex: H2O(s) -> H2O(g); AHsub=+46.7 KJ/mol

recall: H is a state fin!

(s) —> (g)  $\triangle H_{sub} = \triangle H_{firs} + \triangle H_{vap}$ AHFUS = 6.01157 + 40.753/m) = +46.7 KJ/mol



## **Phase Diagram for Water**



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