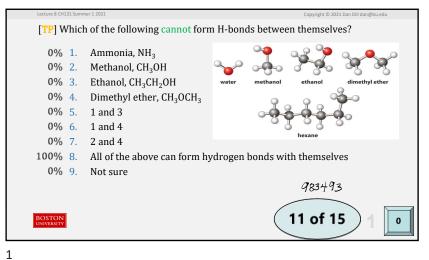
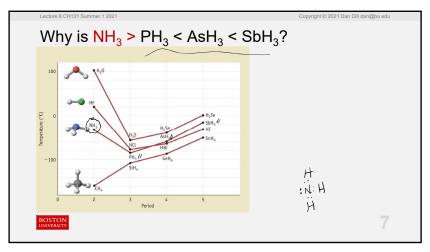
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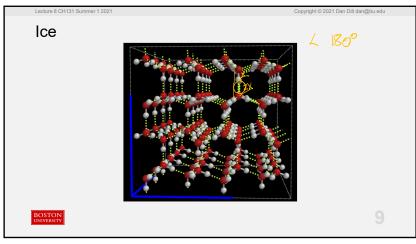
Lecture 8 CH131 Summer 1 2021 Tuesday, June 8, 2021 · H-bonding IMF dominate London IMF • Summary: Three kinds of IMF: London, H-bond, dipole-dipole · Practice: Boiling points and enthalpy of vaporization · Vapor pressure: Liquid-vapor equilibrium · Vapor pressure and boiling point · Phase diagrams Next: Complete: Phase diagrams; Ch11: Solutions

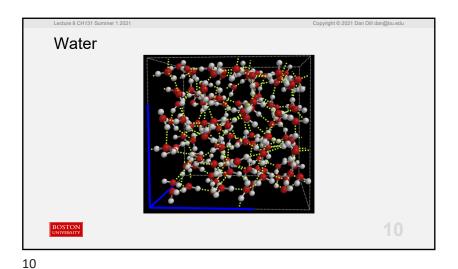


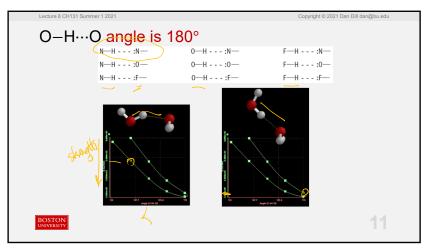
Copyright © 2021 Dan Dill dan@bu.edu Hydrogen bonding

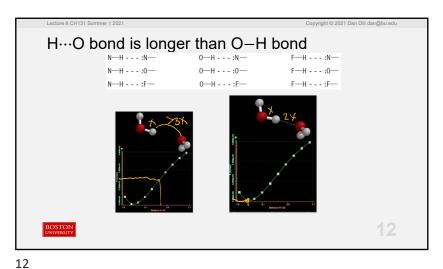
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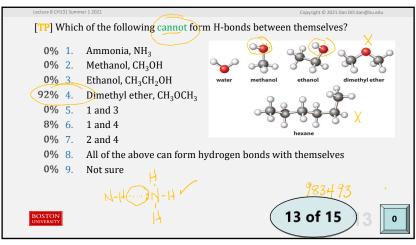


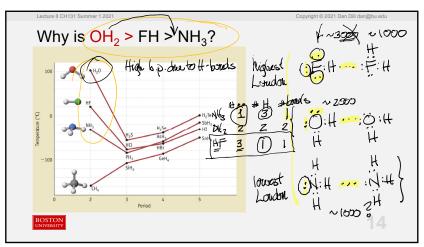




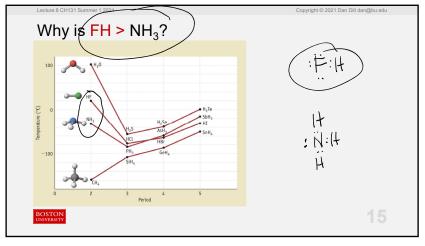
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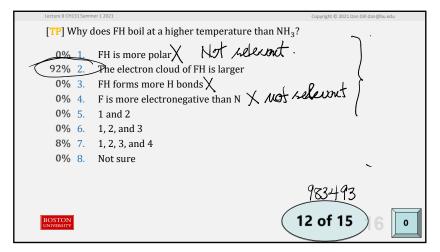
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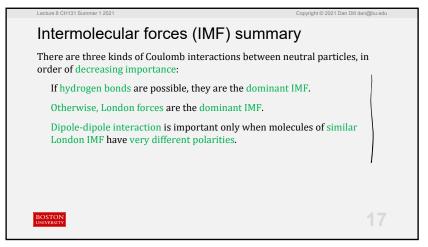
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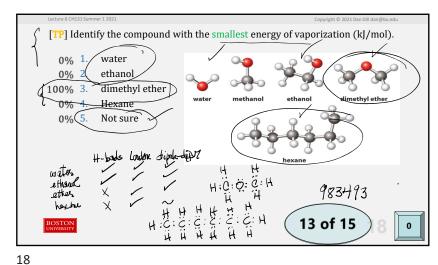




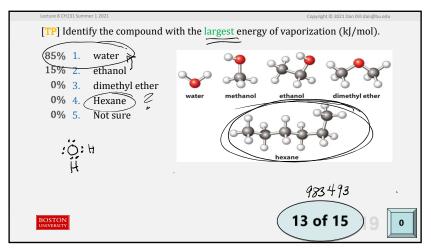
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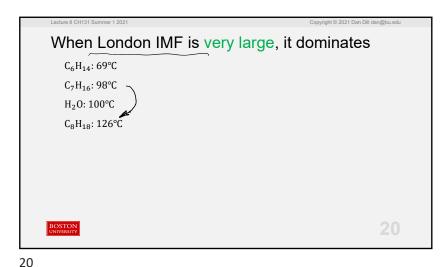
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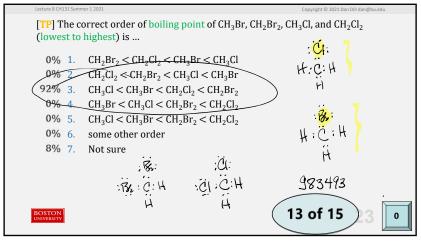
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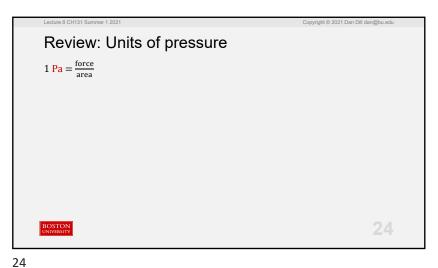




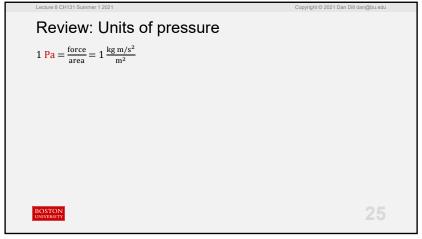
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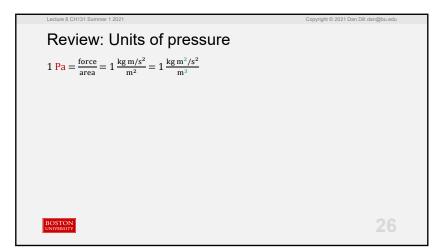
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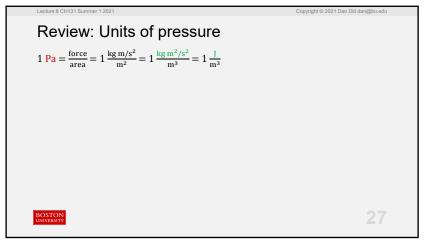
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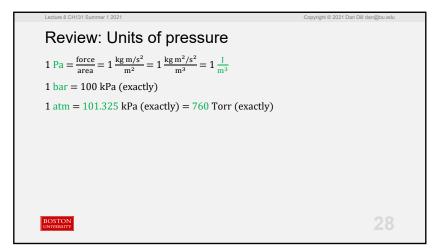




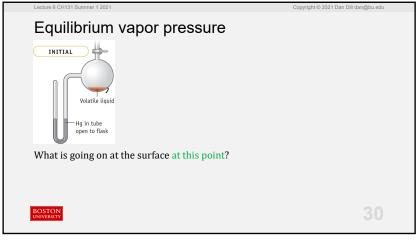
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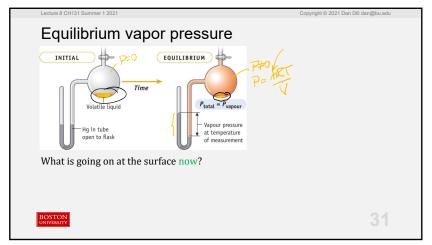
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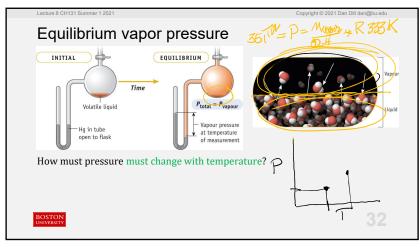
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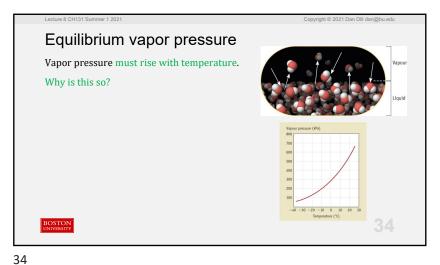




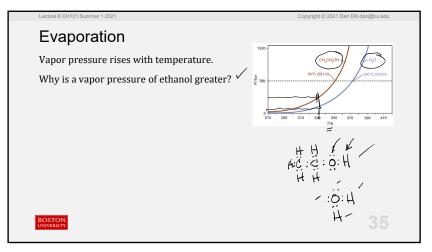
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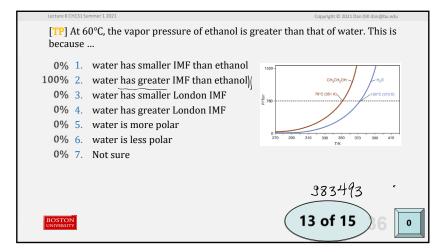
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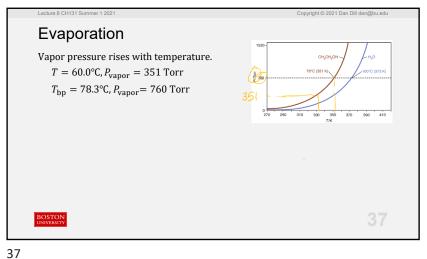


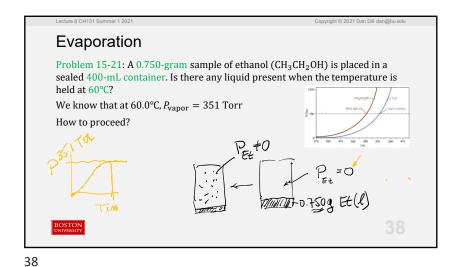


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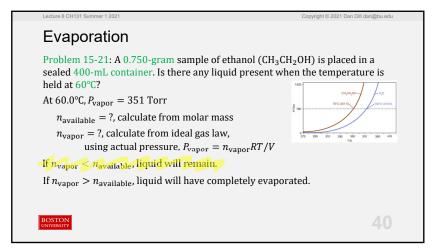


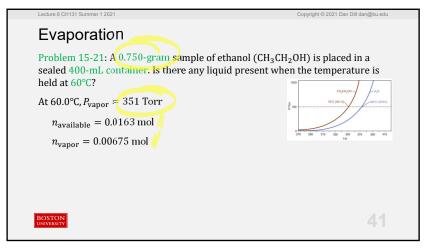


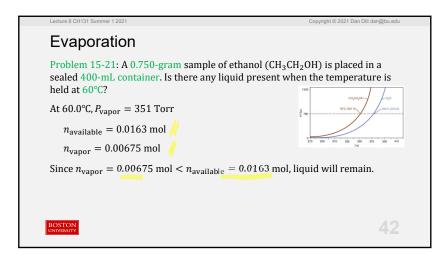




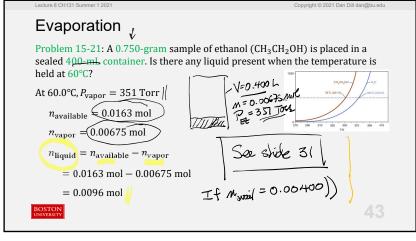
Lecture 8 CH131 Summer 1 2021 Copyright © 2021 Dan Dill dan@bu.edu Evaporation Problem 15-21: A 0.750-gram sample of ethanol (CH₃CH₂OH) is placed in a sealed 400-mL container. Is there any liquid present when the temperature is held at 60°C? At 60.0°C, $P_{\text{vapor}} \neq 351 \text{ Torr}$ $n_{\text{available}} = ?$, calculate from molar mass $\widehat{n_{\text{vapor}}} = ?$, calculate from ideal gas law. using actual pressure, $P_{\text{vapor}} = (n_{\text{vapor}})$ If Mugaz Marcilable

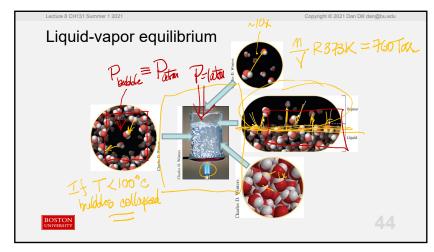






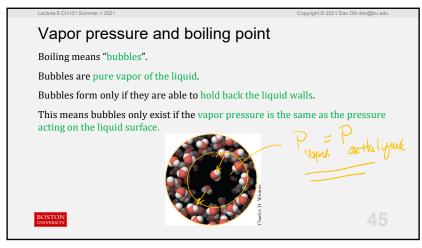
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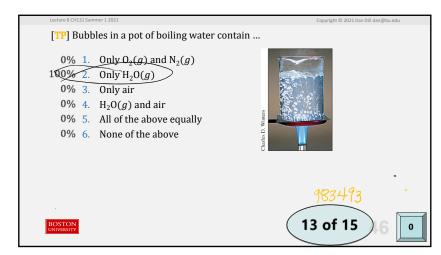




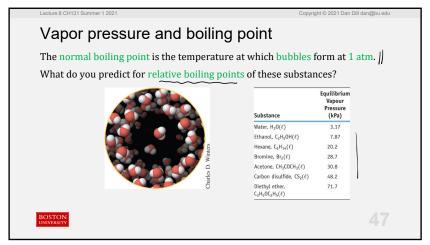
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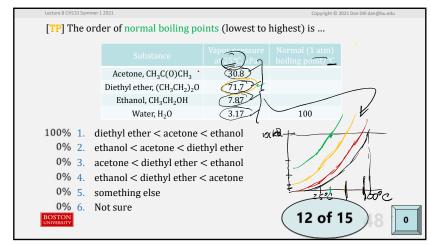
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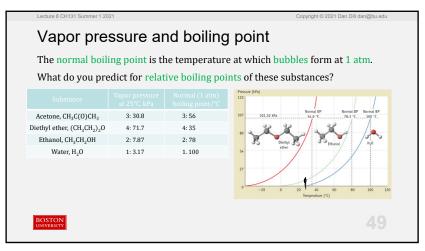
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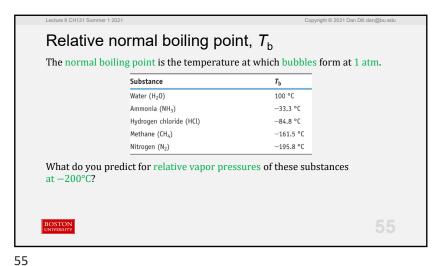




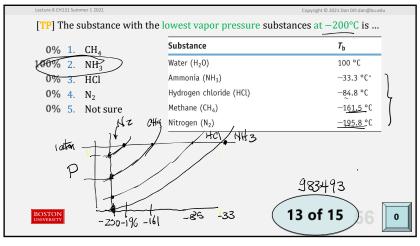
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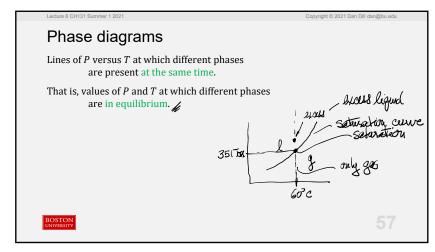
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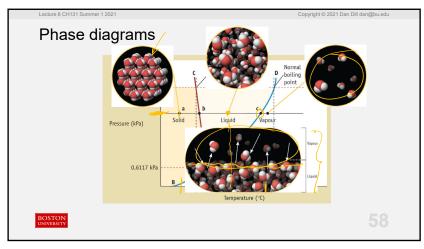
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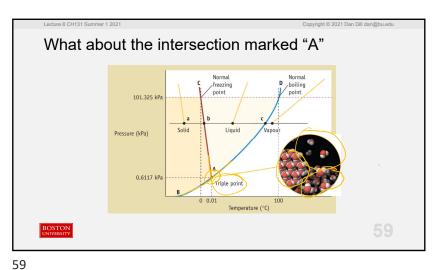




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58

Triple point
Liquid tert-butyl alcohol, C(CH₃)₃OH, can boil and freeze at the same time...
http://goo.gl/4K1SR

