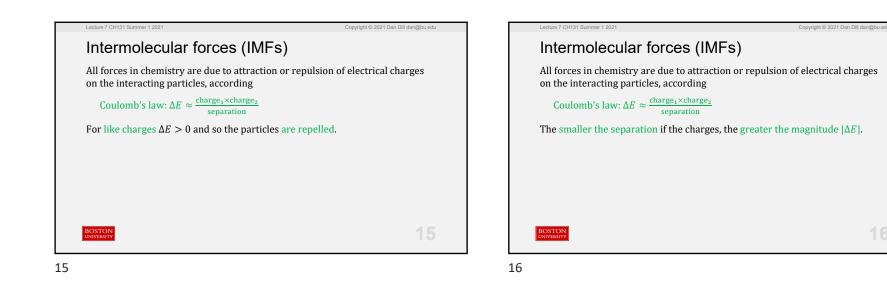
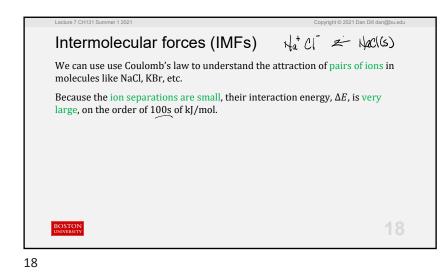


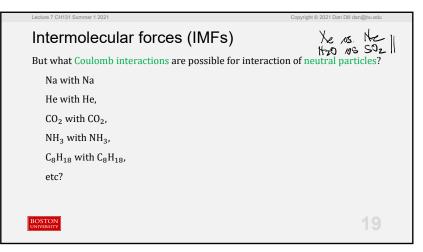
Lecture 7 CH131 Summer 1 2021 Copyright © 2021 Dan Dill dan@bu.edu Physical properties reflect intermolecular forces Table 15-3 shows examples of differences in boiling points. TABLE 15.3 Normal melting points, boiling points, and molar enthalpies of vaporization and fusion at these temperatures and one atm (1.01325 bar) pressure Why is $H_2O > SO_2$? Compound Chemical Melting Boiling ΔH_{c} ΔH_{vap} formula point/K point/K /kJ·mol⁻¹ /kJ·mol⁻¹ NH. 195.42 239.82 5.66 23.33 argon Ar 24.54 27.07 0.328 1.71 ncon 63 77.36 0.71 5.57 nitrogen N. 54.36 90.20 0.44 6.82 oxygen (50) (H,0) sulfur dioxide 24.94 40.65 water 161.36 165.04 2.27 12.57 xenon

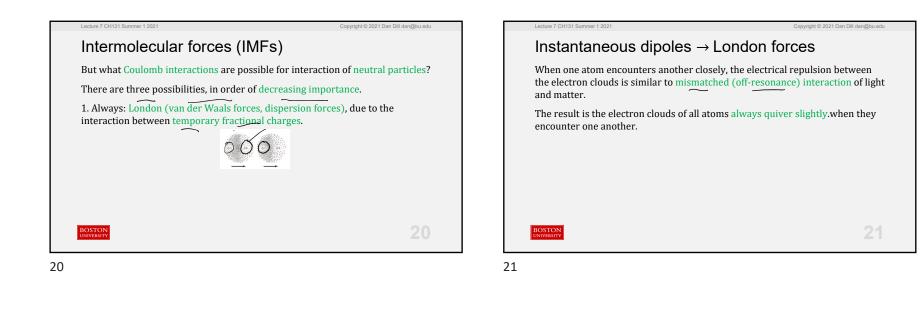
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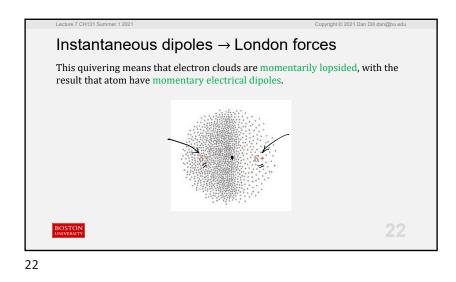
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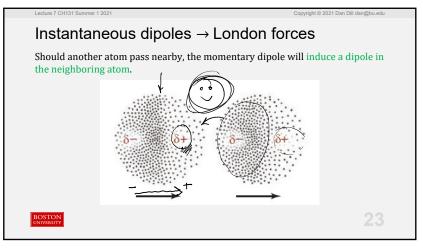


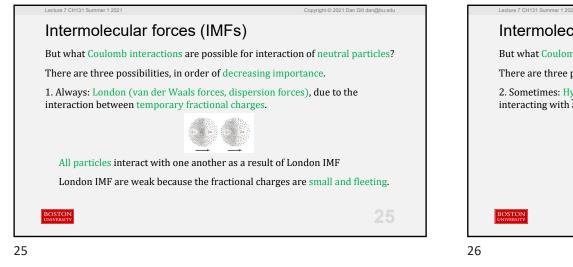


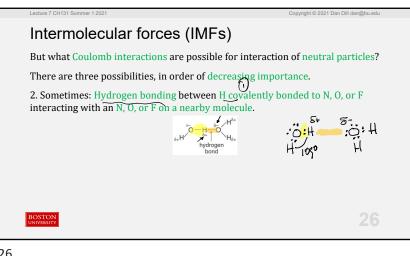


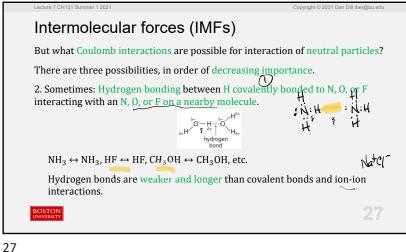


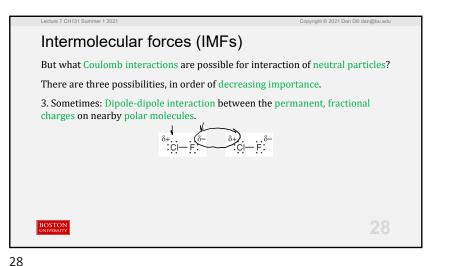


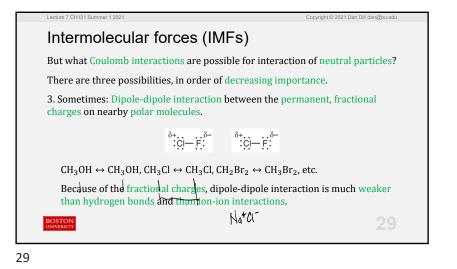


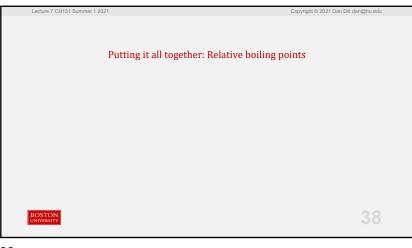


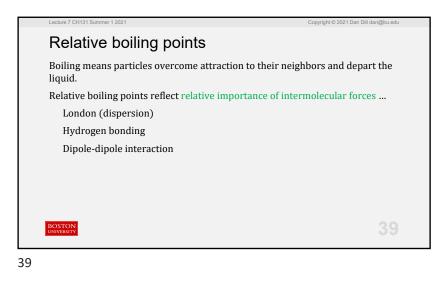


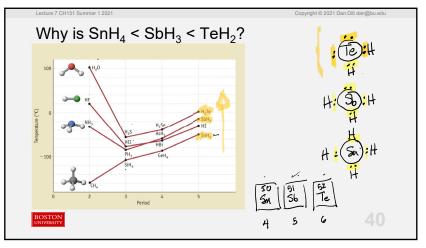






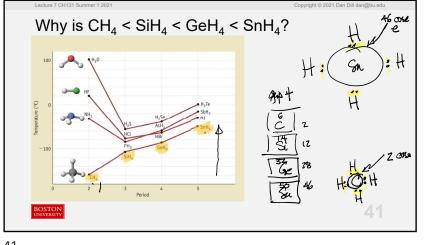


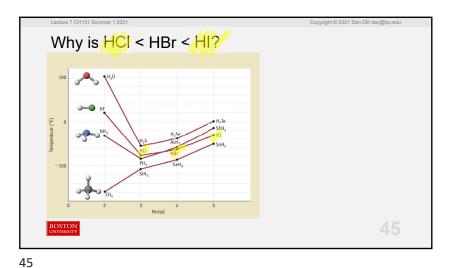


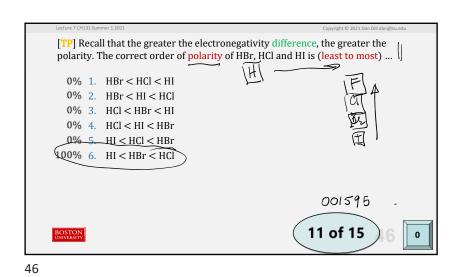


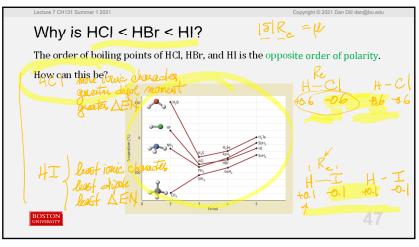
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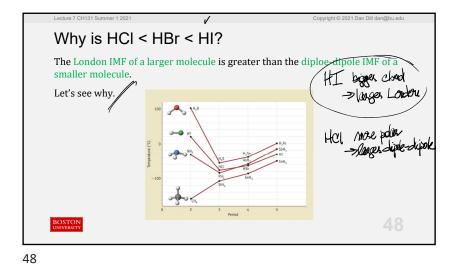
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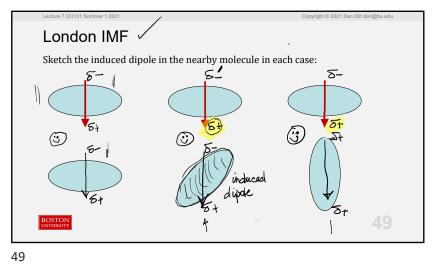


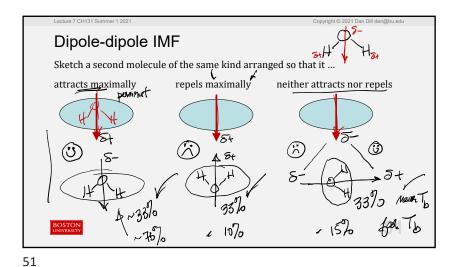


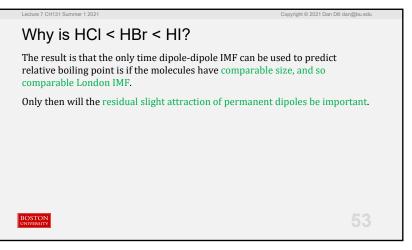


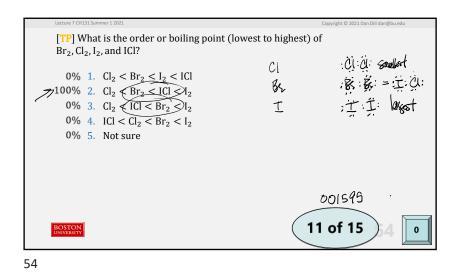


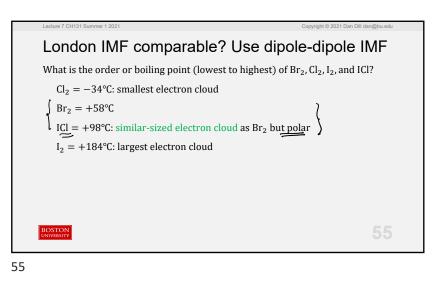


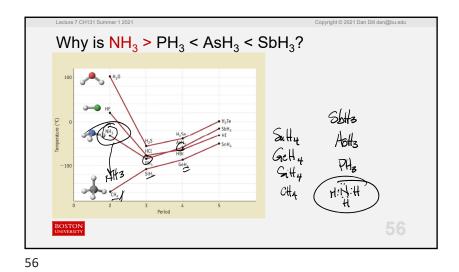












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