3) London Dispersion fora

- Every molerale has this one. - the more e's = the greater the force!

How?

 $d-d \times ion-d \times$ ex: 2He London

every now + again ... more es might be found on one side over the other.

8-4He+ 8+

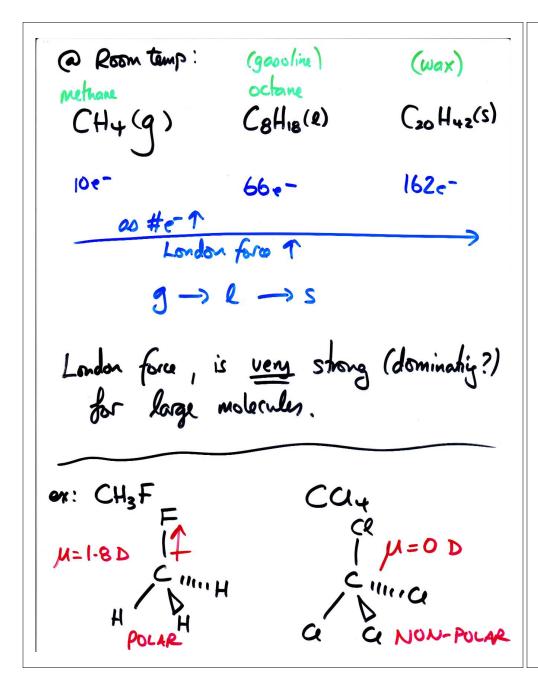
instantaneous dipole

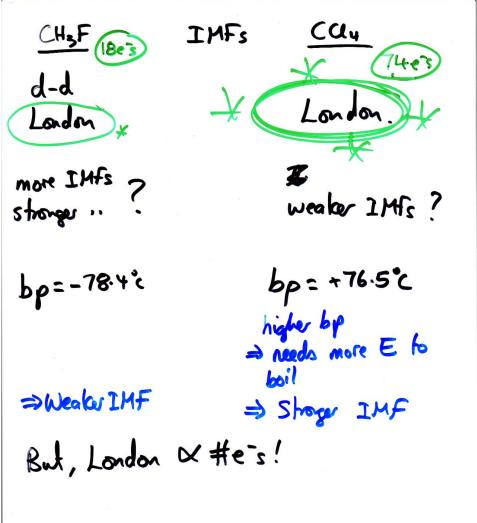
will induce a dipole on other atom.

instantaneous dipole

Which leads to an attraction! London Dispession Force.

- e's keep moving ... leading to disappearing (+ reappearing) dipoles ... which are always attractive.





The Hydrogen Bond (very important Biologically) need 2 things for an H-Bond N-H IIII:N-OR 0-H:0-OR F-Hummisex