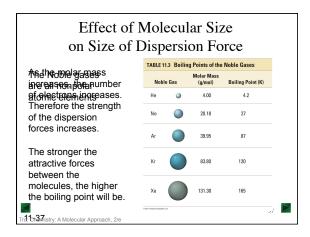
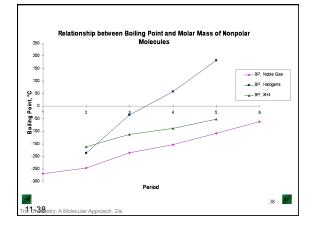


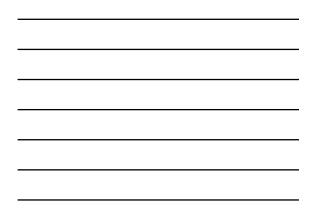
INDUCED-DIPOLE - INDUCED-DIPOLE		
The magnitude of the induced dipole depends on the tendency to be distorted.		
Higher molec. weight dipoles.	-> larger induced	
Molecule	Boiling Point (°C)	
CH₄ (methane)	- 161.5	
C <sub>2</sub> H <sub>6</sub> (ethane)	- 88.6	
C <sub>3</sub> H <sub>8</sub> (propane)	- 42.1	
C <sub>4</sub> H <sub>10</sub> (butane)	- 0.5	
11-36		

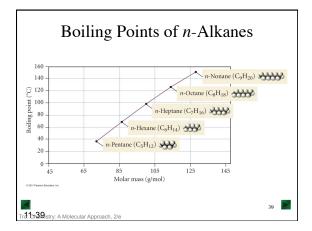




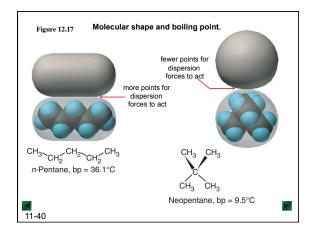




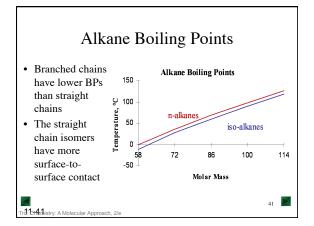




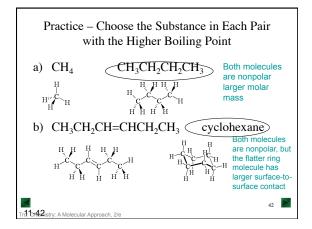




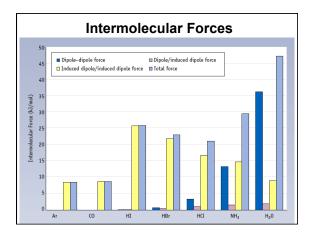




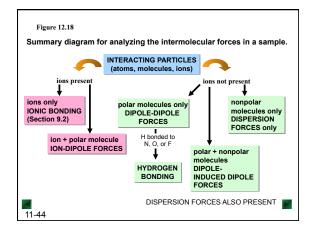




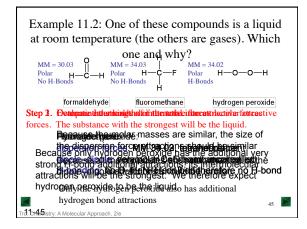




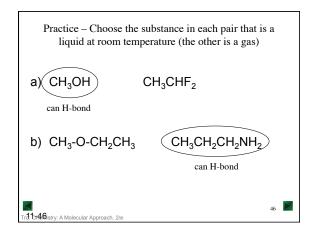




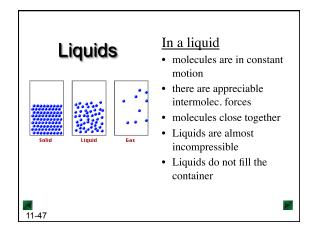


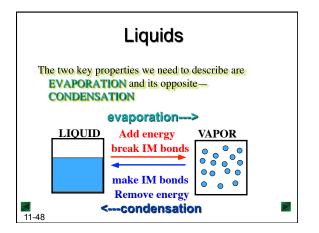




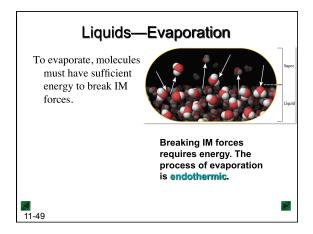


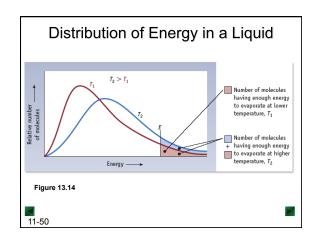




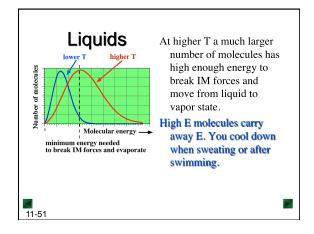




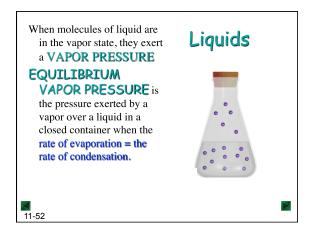




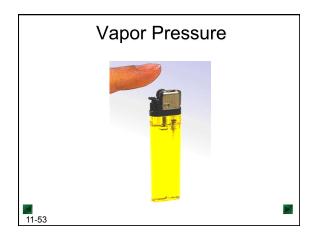




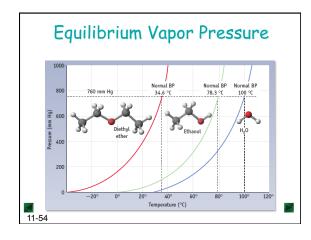
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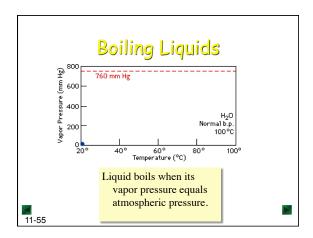




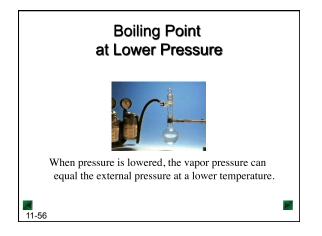


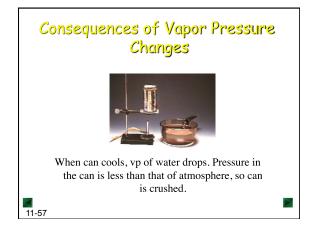


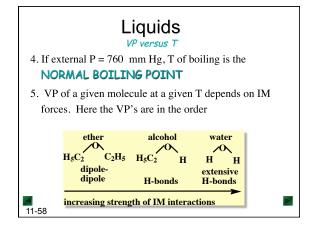




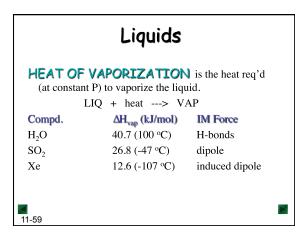


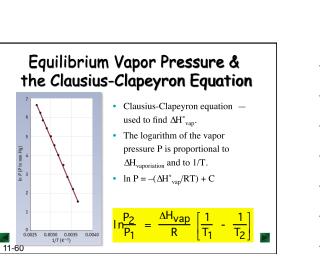




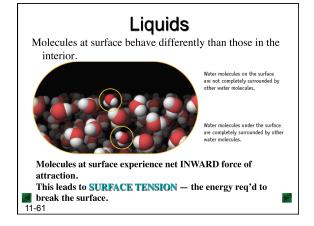






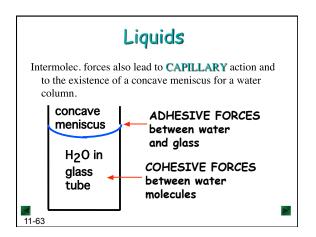




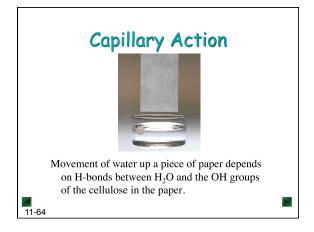


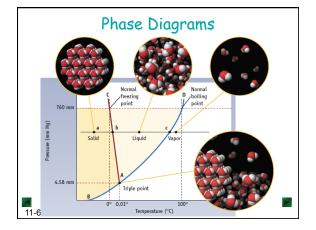


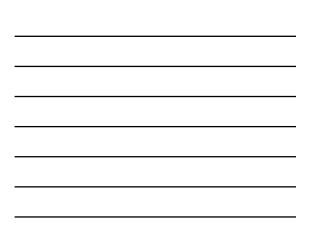


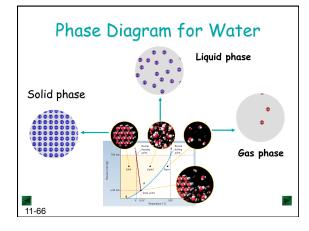




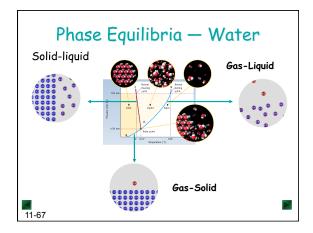




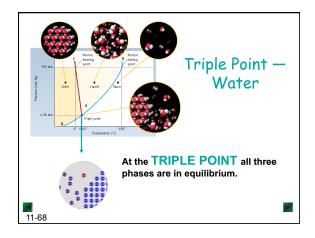




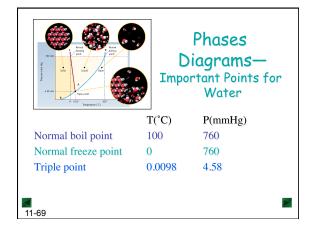




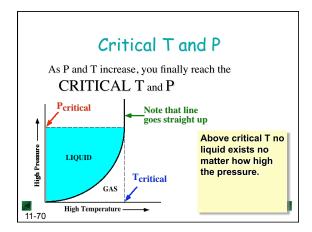














Critical T and P		
COMPD	$T_{c}(^{o}C)$	P <sub>c</sub> (atm)
H <sub>2</sub> O	374	218
$CO_2$	31	73
$CH_4$	-82	46
Freon-12 ( $CCl_2F_2$ )	112	41
Notice that $T_c$ and $P_c$ depend on intermolecular forces.		
<b>11-71</b>		



