

# Alkanes

$n = 1-4$  gases

$n = 5-15$  liquids

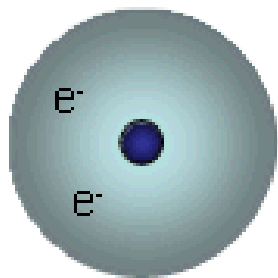
$n > 15$  solids

$$\text{IMF} = \frac{q_1 q_2}{r}$$

LDF

$q \propto \# \text{ electrons}$

instantaneous dipole moments



Instantaneous uneven  
distribution of  $e^-$  in He