

③  $\frac{Ar}{LDF}$  (molecule/atom)  $\frac{HI}{LDF}$   $\frac{HCl}{LDF}$

③ ① ②

weakest (A or C)

Polar (Dipole) Polar (Dipole)

128 g/mole 36 g/mole

Huge! Tremendous  $\Delta$ .

Dec 21-7:40 AM

④ Ion-Dipole ex:  $NaCl$  (aq) ionic

Ionic in  $H_2O$

⑤ Water ( $H_2O$ ) D-D, H

Mono polar → Methanol ( $CH_3OH$ ) D-D

Di polar → Hydrogen sulfide ( $H_2S$ ) P-D

Ethanol ( $C_2H_5OH$ ) P-D

benzene ( $C_6H_6$ ) (LDF)

$\begin{array}{c} | \\ -C- \\ | \\ CH_3 \end{array} - \begin{array}{c} | \\ -C- \\ | \\ CH_2 \end{array} - OH$

Dec 21-8:01 AM

$\text{CCl}_4$   $\xrightarrow{75^\circ\text{C}}$   $\text{H}_2\text{O}$   $\xrightarrow{100^\circ\text{C}}$   $\frac{2260\text{J}}{\text{g}}$

$\frac{77}{100} = \frac{X}{2260}$

$X = \frac{1740\text{J}}{\text{g}} = 1.74\text{ kJ}$

1.74 kJ	151 g
<del>g CCl<sub>4</sub></del>	1 mole CCl <sub>4</sub>

= 268 kJ/mole

Dec 21-8:08 AM

LU1    LU2    SU3    SU4

Dec 21-8:20 AM