## CH

physical properties.

	Ide	5 Announced Quiz 5 entify all types of intermolecular forces of attraction that are present between like molecules each of the following substances:
	a.	HCl
	b.	CH <sub>3</sub> OCH <sub>3</sub>
	c.	Ar
2.	Co	mpare the vapor pressures for each of the following pairs; fully support your answer.
	a.	HCl and NaCl
	b.	CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub> and CH <sub>3</sub> C(CH <sub>3</sub> ) <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub>
	c.	$NH_3$ and $AsH_3$
	d.	For your answer to part c, draw a diagram clearly showing the strongest interaction between two molecules of the substance with the lower vapor pressure. Show each of the atoms in each of the two molecules along with the proper orientation with respect to each other.
3.		nd and dry ice are two solid substances most people are familiar with. Clearly explain why
		nd does not rapidly sublimate into a gas while dry ice does. Use fundamental scientific nciples to completely and to clearly explain the underlying reasons for these observed