CONCEPT: SOLUBILITY AND IN	TERMOLECULAR FOR	<u>ICES</u>
According to the theory of	dissolves	compounds with the same intermolecular force or polarity
will dissolve into each other.		
<b>EXAMPLE:</b> Identify the intermolect form between the two.  a) CCl <sub>4</sub> and P <sub>4</sub>	ular forces present in b	oth the solute and the solvent, and predict whether a solution will
b) CH <sub>3</sub> OH and C <sub>6</sub> H <sub>6</sub>		
c) C <sub>6</sub> H <sub>5</sub> CH <sub>2</sub> NH <sub>2</sub> and HF		
d) IF <sub>4</sub> -and NH <sub>3</sub>		
PRACTICE: Which of the following	g statements is/are true	?
a. Methane will dissolve completel	y in acetone, CH₃COCŀ	H <sub>3</sub> .
b. Hydrofluoric acid (HF) will form	a heterogeneous mixtu	re with tetrachloride, CCl <sub>4</sub> .
c. Pentane will form a homogeneo	us mixture with CBr <sub>4</sub> .	

d. Methanethiol (CH $_3$ SH) is miscible in fluoromethane (CH $_3$ F).