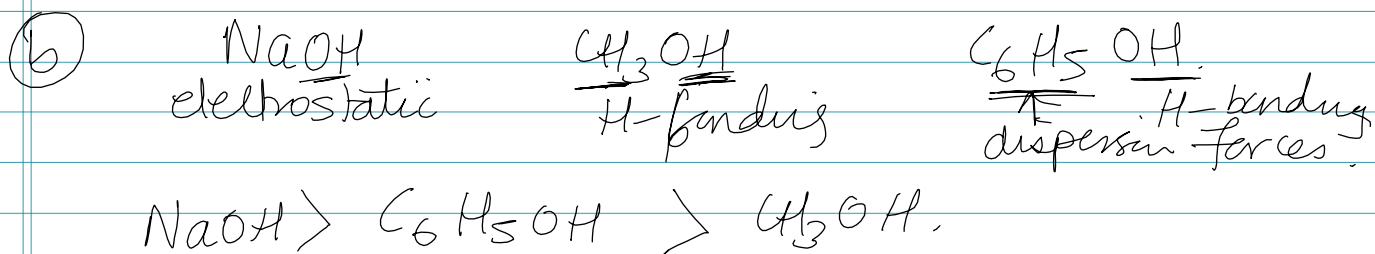
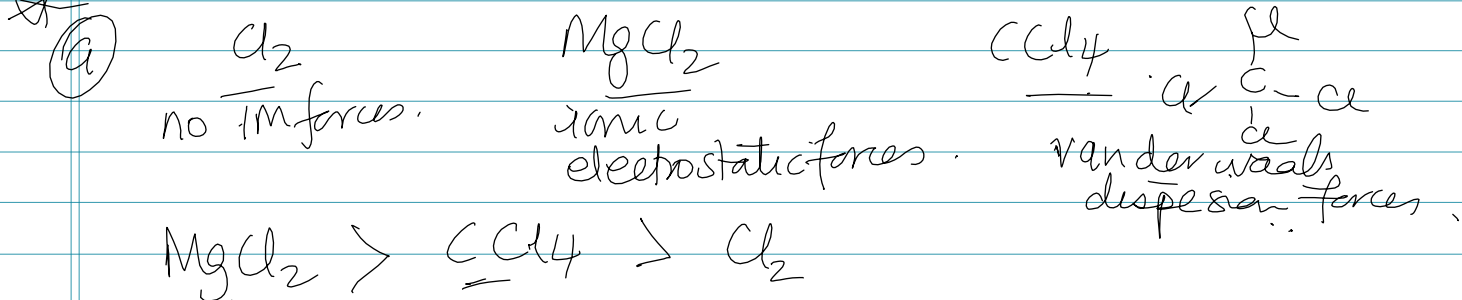
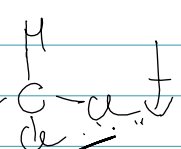


Intermolecular Forces - 3.

1) * Arrange the following in increasing mpt.



2) * Solubility: below are three solvents, A, B & C. Indicate which substance will dissolve in which solvent & what is the IM force involved.

	Sol. In	IM force.
H_2O (A) water	(A)	IM-dipole
$\text{CH}_3(\text{CH}_2)_8\text{CH}_3$	(B)	dispersion forces
CH_3OH	(A)	H-bonding...
CHCl_3 	(C) & (B)	(C) dipole-dipole. (B) dispersion forces.
$\text{C}_6\text{H}_5\text{COOH}$	(A) & (C)	(A) H-bonding (C) dipole forces. + dispersion forces.