

UBSP- LDS worksheet

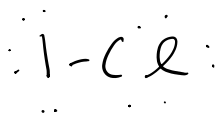
Name: _____

Give the formula and name the compounds made from the following ions:

	I^-	Cl^-	Acetate ion ($C_2H_3O_2^-$)
Al^{3+}	AlI_3 Aluminum iodine	$AlCl_3$ Aluminum chloride	$Al(C_2H_3O_2)_3$ Aluminum acetate
Cobalt(III) ion	CoI_3 Cobalt (III) iodide	$CoCl_3$ Cobalt (III) chloride	$Co(C_2H_3O_2)_3$ Cobalt (III) acetate
Tin (IV) ion	SnI_4 Tin (IV) iodide	$SnCl_4$ Tin (IV) chloride	$Sn(C_2H_3O_2)_4$ Tin (IV) acetate

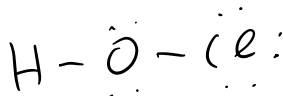
Write Lewis dot structures for the following molecules and show resonance structures where appropriate. Also, state if polar or non-polar

1. ICl



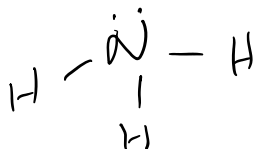
Polar

2. HOCl



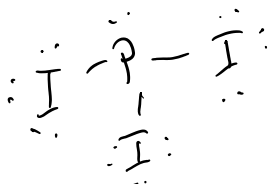
Polar

3. NH_3



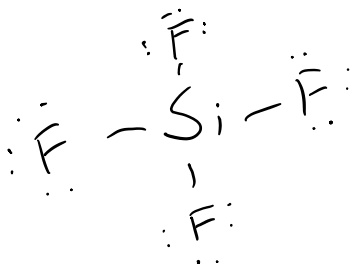
Polar

4. PI_3



Polar

5. SiF_4



Non-Polar