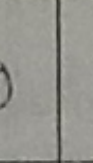
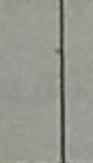
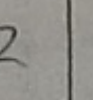
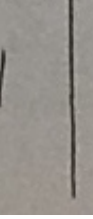
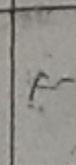
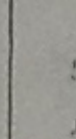
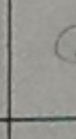
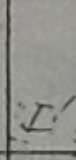
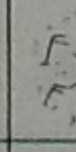
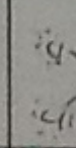
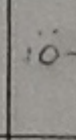
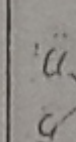
Name: Teacher Ass't #1 - VSEPR $\frac{100 - \#\text{wrong}}{10} = \frac{\quad}{10}$

Substance	Central # of lone pairs	Atom # of bonding pairs	Dot Diagram	VSEPR Code	Molecular Shape	Is the molecule polar? Yes or No
$BeCl_2$	0	2	Cl-Be-Cl	AB_2	Linear	N
NH_3	1	3		AB_3E	trigonal pyramid	Y
$SiCl_4$	0	4		AB_4	tetrahedral	N
CO_2	0	4	O=C=O	AB_2	linear	N
SF_4	1	4		AB_4E	See-saw (distorted)	Y
O_2	2	2	O=O	ABC_2	Linear	N
HCl	0 3	1 1	H-Cl	AB AB_3	Linear	Y
H_2S	2	2		AB_2E_2	Angular	Y
NI_3	1	3		AB_3E	trigonal pyramid	Y

Substance	Central # of lone pairs	Atom # of bonding pairs	Dot Diagram	VSEPR Code	Molecular Shape	Is the molecule polar? yes or No
CF_4	0	4		AB_4	tetrahedral	N
OCl_2	2	2		AB_2E_2	angular	Y
HOF	2	2		AB_2E_2	angular	Y
N_2	1	3		ABE	linear	N
HCI_3	0	4		AB_4	tetrahedral	Y
SF_6	0	6		AB_6	octahedral	N
PCl_5	0	5		AB_5	trigonal bipyramid	N
SO_4^{-2}	0	4		AB_4	tetrahedral	N
$BrCl_5$	1	5		AB_5E	square based pyramid	Y