4 marks each

	Prelab E	xercise		Observations			
Molecular Substance	Lewis/Structural Diagram	For Each Central Atom		Predicted Shape Name	Representation for Actual Shape	Actual Shape Name	Polarity
		# LP	# BP				
NI ₃	I-N-I İ	1	3	trigonal pyramidal	INI	trigonal pyramidal	yes
C ₂ Cl ₄	C C= C	0	3	trigonal planar	حار _ و حا	trigonal planar	no
	دا 'دا	0	3	trigonal planar	دا دا	trigonal planar	
CF ₄	F-V-F	0	4	tetrahedral	FICE	tetrahedral	no
OCl ₂	دا دا	2	2	angular	در در	angular	yes
C ₂ F ₂	F-CEC-F	0	2	linear	F-C-C-F	linear	yes
		0	2	linear		linear	



	Prelab E			Observations			
Molecular Substance	Lewis/Structural Diagram		Each al Atom # BP	Predicted Shape Name	Representation for Actual Shape	Actual Shape Name	Polarity
HOF	A F	2	2	angular	0-6	angular	yes
NHF ₂	H-N-F	1	3	trigonal pyramidal	FAF F	trigonal pyramidal	yes
C ₂ IBr	I-CEC-Br	0	2	linear	I-C-C-Br	linear	yes
		0	2	linear		linear	
C ₂ HF ₃	FICECE	0	3	trigonal planar	F.C-E-F	trigonal planar	yes
		0	3	trigonal planar		trigonal planar	
CHClBr ₂	BE BE	0	4	tetrahedral	A S CI	tetrahedral	yes
H ₂ O ₂	40-14	2	2	angular	P-0-H	angular	yes
		2	2	angular		angular	

	Prelab E	xercise		Observations			
Molecular Substance	Lewis/Structural Diagram	For Each Central Atom		Predicted Shape Name	Representation for Actual Shape	Actual Shape Name	Polarity
		# LP	# BP				
CO ₂	0=C=0	0	2	linear	0-6-0	linear	no
N ₂ H ₃ F	H-N-N-F H H	1	3	trigonal pyramidal	H=N H=Q H=Q	trigonal pyramidal	yes
		1	3	trigonal pyramidal		trigonal pyramidal	
СН₃ОН	H-U-1	0	4	tetrahedral	HONDH	tetrahedral	yes
		2	2	angular		angular	
C ₃ H ₆ (noncyclic)	H = C, H H H H	0	3	trigonal planar	H C-C-H	trigonal planar	no
		0	3	trigonal planar		trigonal planar	
		0	4	tetrahedral		tetrahedral	