Dougherty Valley HS Chemistry - AP Bonding – Extra Practice

Worksheet #3*

HF AsF₅ NH₃ SO₃ CH₄

CIF₃
CH₃NH₂
CS₂
H₂SO₄
H₂C₂O₄

AlF₃ SeF₄ CN⁻ SO₄²--PO₄³--

Name: Period: Seat#:

Directions: Any worksheet that is labeled with an * means it is suggested extra practice. We do not always have time to assign every possible worksheet that would be good practice for you to do. You can do this worksheet when you have extra time, when you finish something early, or to help you study for a quiz or a test. If and when you choose to do this Extra Practice worksheet, please do the work on binder paper. You will include this paper stapled into your Rainbow Packet when you turn it in, even if you didn't do any of this. We want to make sure we keep it where it belongs so you can do it later if you want to (or need to). If you did the work on binder paper you can include that in your Rainbow Packet after this worksheet. If we end up with extra class time then portions of this may turn into required work. If that happens you will be told which problems are turned into required. Remember there is tons of other extra practice on the class website...and the entire internet! See me if you need help finding practice on a topic you are struggling with.

Directions: Draw and State the following each compound below.

a. AXE formula

OII E

- b. Molecular Geometry / electronic geometry
- c. Polarity
- d. Hybridization of central atom

CH_3F	NO_2	N_2
Cl_2	$\mathbf{N_2H_2}$	HCN
IF_3	C_6H_6	N_2O
\mathbf{F}_2	XeF_4	N_2O_4
\mathbf{H}_2	CH ₃ I	H_2S
C_2H_6	O_3	\mathbf{OF}_2
MgH_2	$\mathbf{SF_6}$	NO
BeF_2	$\mathbf{Br_2}$	C_2H_5OH
C_2Cl_2	PCl_3	$COCl_2$
SCN-	AsF ₃	НСООН
\mathbf{BH}_3	NF_3	LiH
PCl ₅	SiF ₄	AlH_3
H_2Se	\mathbf{SO}_2	C_2H_4
BF_3	CHCl_3	C_2F_4
SiO_2	ICl	$\mathbf{SF_2}$
CO_2	$\mathbf{SF_4}$	ClO ₃ -
XeF_2	${f I_2}$	CO_3^2
PH_3	CO	$\mathrm{NH_2}^-$
CH ₃ OH	\mathbf{O}_2	$\mathbf{NH_4}^+$
H_2O_2	C_2H	NO ₃ [—]