Lewis Structure Worksheet

Read the **Instructions for Drawing Lewis Structures** worksheet carefully and complete Lewis structures for each of the following molecules:. Remember, the first atom in the name that isn't H is the "central" atom, where applicable.

Group A: SimpleAtoms/ Molecules

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Не	Ar	H_2	F ₂	HC1	
CH ₄	NH ₃	H ₂ O	SiF ₄	PCl ₃	
		1120			
Group B: <u>Polyatomic Ions</u> Don't forget to take the charge into account when counting electrons, and to enclose the structure in square brackets.					
Indicate the charge on the ion with a superscript outside the brackets.					

OH.	ClO ₃	PO ₄ ³⁻	SO_3^{2-}

Group C: Multiple (Double and Triple) Bonds	Note: these structures rec	quire double or triple bonds in or	der to fulfill the octet rule for all atoms
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O_2	N ₂	СО	CO ₂	HCN

Group D: Molecules with Multiple Central Atoms These contain a "backbone" of carbon atoms with the other atoms arranged around the C atoms.

C_2H_6	C_3H_8	C_2H_5OH	C_2H_4	C_2F_2