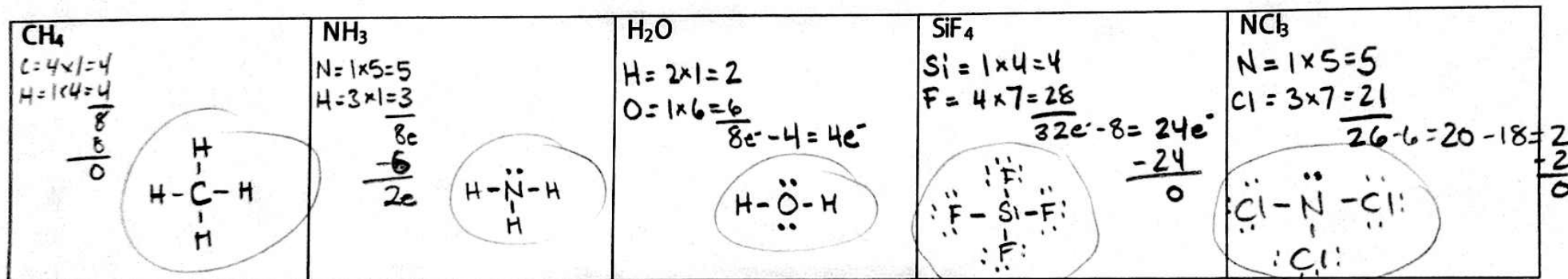




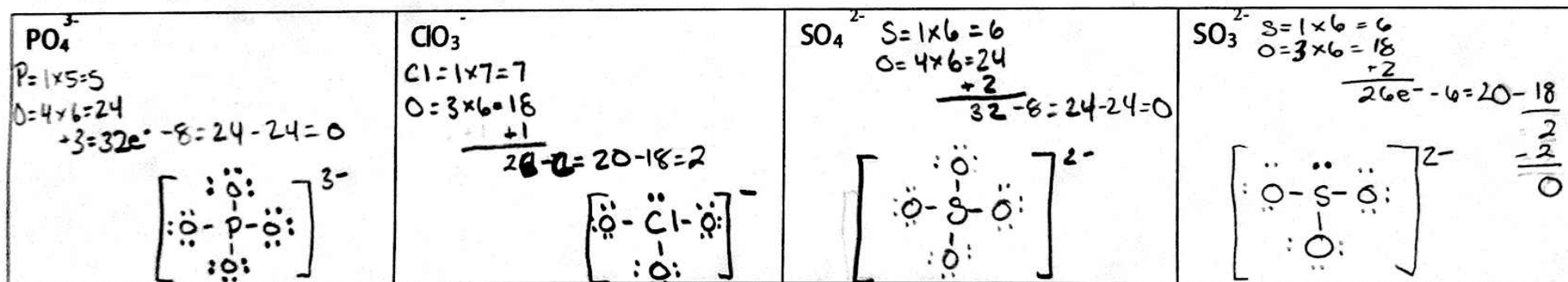
Lewis Structure Worksheet #1

Review your notes Part IV: Lewis Structures carefully and complete Lewis structures for each of the following molecules:

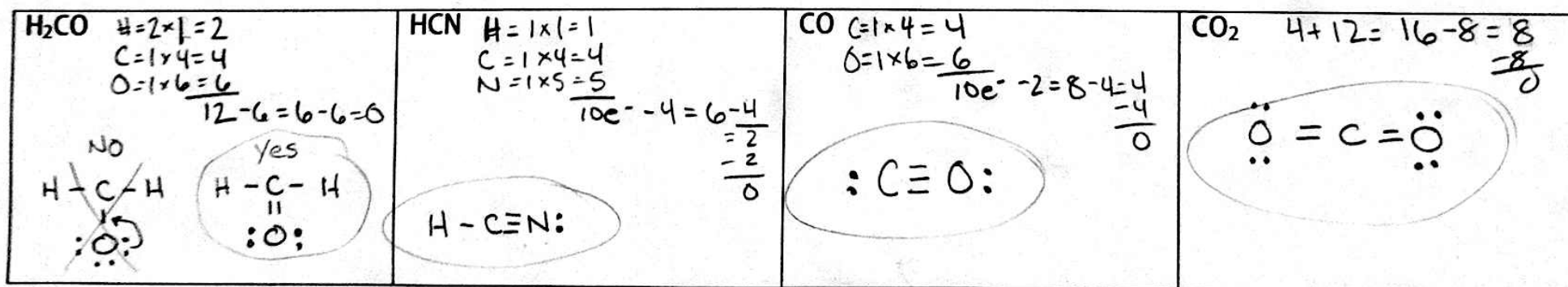
Group A: Simple Molecules



Group B: Polyatomic Ions



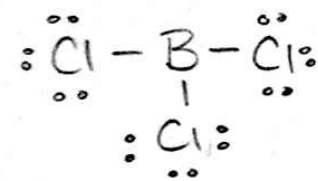
Group C: Multiple Bonds



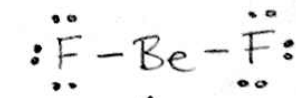
Group D: Incomplete Octets

only needs 6e⁻ around it

BCl₃
 $B = 1 \times 3 = 3$
 $Cl = 3 \times 7 = 21$
 $\frac{24e^-}{-6}$
 $\frac{18e^-}{}$

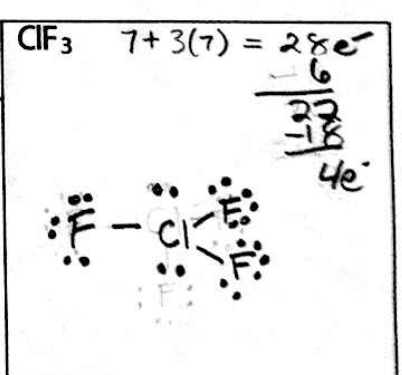
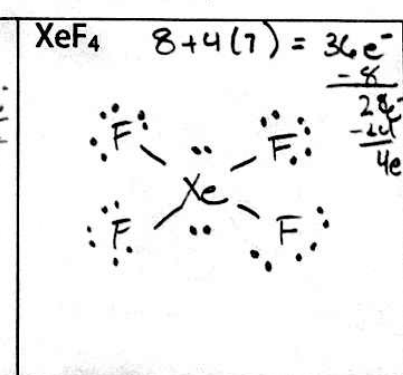
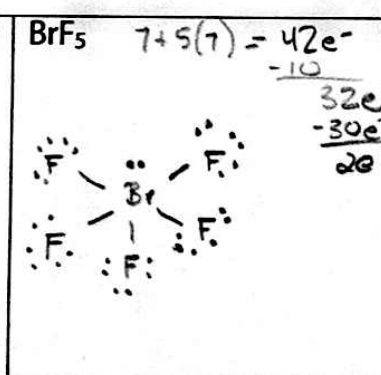
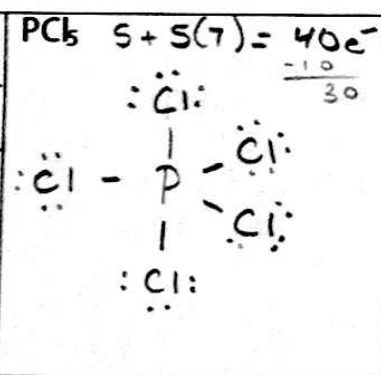
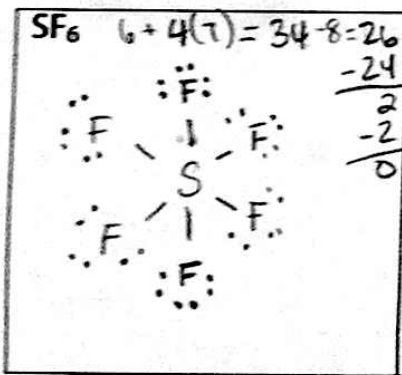


BeF₂
 $Be = 1 \times 2 = 2$
 $F = 2 \times 7 = 14$
 $\frac{16e^-}{-4}$
 $\frac{12e^-}{-12}$
 $\frac{0}{}$



↑ only needs 4e⁻ around it

Group E: Expanded Octets → More than 8 around the central atom



Group F: Multiple Central Atoms

