

WKS – Chem Honors
VSEPR: Molecular Shapes

NAME _____
Period _____ **Date** _____

Determine the Electron & Molecular Geometries & draw a 3D diagram of the following molecules:

Molecule	Lewis Structure (from previous WKS)	Electron & Molecular Geometries	3D Drawing
1. F ₂			
2. CF ₄			
3. N ₂			
4. SO ₂			
5. NO ₂ ⁺			
6. NO ₂ ⁻			
7. SO ₃ ²⁻			
8. NH ₃			
9. OF ₂			

Molecule	Lewis Structure (from previous WKS)	Electron & Molecular Geometries	3D Drawing
10. ClO_4^-			
11. CO_2			
12. CO			
13. CN^-			
14. NH_4^+			
15. PO_4^{3-}			
16. C_2H_6			
17. C_2H_4			
18. C_2H_2			
19. N_2H_2			