

VSEPR

For each molecule below, fill in the table to determine the electron geometry & molecular geometry about the CENTRAL ATOM. Then sketch a perspective drawing of the substance and LABEL ALL BOND ANGLES.

1. HCN
2. NO_3^-
3. NH_4^+
4. IF_6^+
5. H_2S
6. NF_3
7. SbCl_5
8. IF_5
9. CO_2
10. CO_3^{2-}

11. SbCl_4^-
12. IF_4^-
13. SO_2
14. SO_3^{2-}
15. ClF_3
16. IOF_5
17. NO_2
18. H_2CO
19. BrCl_2^-
20. SOF_4