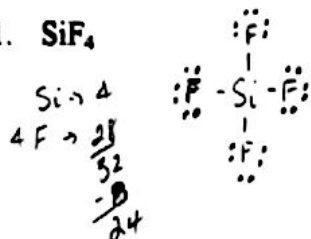
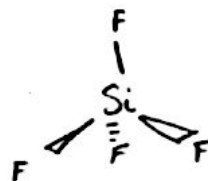
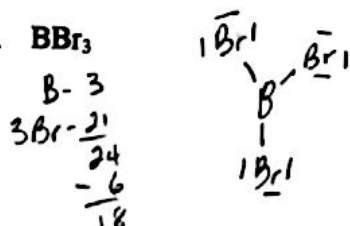
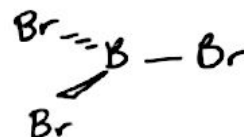
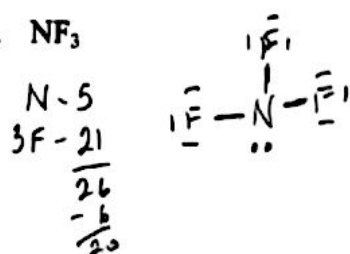
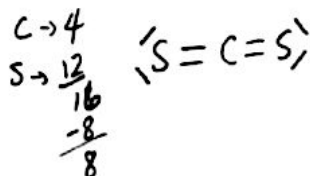
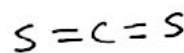
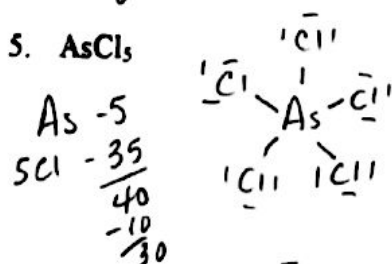
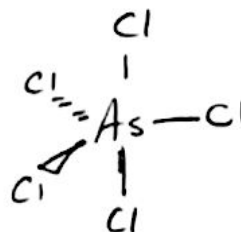
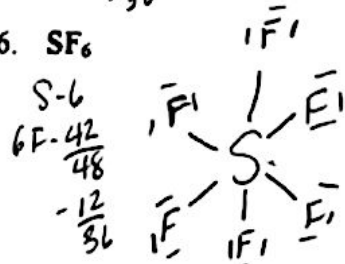
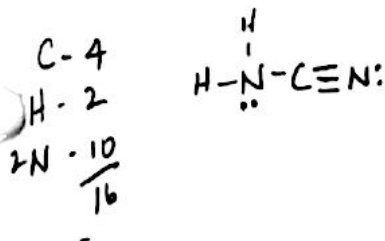


For the following: (a) draw the Lewis structure, (b) write the VSEPR formula, (c) define shape, (d) identify the hybridization of the central atom, and (e) draw the geometric formula.

1. SiF_4 
 AX_4LP_0 tetrahedral sp^3
2. BBr_3 
 AX_3LP_0 trigonal planar sp^2
3. NF_3 
 AX_3LP_1 trigonal pyramidal sp^3
4. CS_2 
 AX_2LP_0 linear sp
5. AsCl_3 
 AX_3LP_1 trigonal pyramidal sp^3
6. SF_6 
 AX_6LP_0 octahedral sp^3d^2
7. CH_2N_2 
 AX_2LP_0 (C) linear sp
 AX_3LP_1 (N) trigonal pyramidal sp^3
