

Chemical Bonding

For each of the following, write the formula, draw the Lewis dot structure, and draw the model, and determine the type of bond

Chemical Formula	Total Number of Valence Electrons	Lewis Dot Structure
1. CH ₄		
2. NH ₃		
3. CF ₄		
4. CO ₂		
5. BF ₃		
6. C ₄ H ₆		
7. H ₂ O		
8. H ₂		
9. Cl ₂		
10. PF ₃		
11. HF		
12. HCl		
13. N ₂		
14. C ₂ H ₄		