

Data Tables

Data Table 1. Elements

Element	Family or Group #	Number of Valence Electrons	Lewis Electron Dot Structure
1.			
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Data Table 2. Covalent Compounds

Formula	Valence Electrons for Each Atom	Total Number of Valence Electrons	Lewis Electron Dot Structure
1. H ₂			
2. HCl			
3. H ₂ O			
4. NH ₃			
5. CH ₄			
6. CH ₂ Cl ₂			
7. Cl ₂			
8. HOCl			
9. O ₂			
10. OH ⁻			
11. H ₃ O ⁺			

Data Table 2. Covalent Compounds, continued

Formula	Valence Electrons for Each Atom	Total Number of Valence Electrons	Lewis Electron Dot Structure
12. NH_4^+			
13. SO_4^{2-}			
14. N_2			
15. CHCl_3			
16. C_2H_6			
17. CO_2			
18. CH_3OH			
19. H_2O_2			
20. C_2H_4			
21. C_2H_2			
22. SO_2			

