

Valence Electrons

Valence electrons are the electrons in the outermost energy level. The maximum number of valence electrons is 8. Determine the number of valence electrons in each of the following atoms:

- | | |
|-------------------------|-------------------------|
| 1. Fluorine (F) _____ | 11. Lithium (Li) _____ |
| 2. Phosphorus (P) _____ | 12. Zinc (Zn) _____ |
| 3. Calcium (Ca) _____ | 13. Carbon (C) _____ |
| 4. Nitrogen (N) _____ | 14. Iodine (I) _____ |
| 5. Iron (Fe) _____ | 15. Oxygen (O) _____ |
| 6. Argon (Ar) _____ | 16. Barium (Ba) _____ |
| 7. Potassium (K) _____ | 17. Aluminum (Al) _____ |
| 8. Helium (He) _____ | 18. Hydrogen (H) _____ |
| 9. Magnesium (Mg) _____ | 19. Xenon (Xe) _____ |
| 10. Sulfur (S) _____ | 20. Copper (Cu) _____ |