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Autore	Nakamoto Kazuo <1922->
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2.7. Trigonal-Bipyramidal and Tetragonal-Pyramidal XY₅ and Related Molecules
2.8. Octahedral Molecules; 2.9. XY₇ and XY₈ Molecules; 2.10. X₂Y₄ and X₂Y₆ Molecules; 2.11. X₂Y₇, X₂Y₈, X₂Y₉, and X₂Y₁₀ Molecules; 2.12. Metal Cluster Compounds; 2.13. Compounds of Boron; 2.14. Compounds of Carbon; 2.15. Compounds of Silicon, Germanium, and Other Group IVB Elements; 2.16. Compounds of Nitrogen; 2.17. Compounds of Phosphorus and Other Group VB Elements; 2.18. Compounds of Sulfur and Selenium; 2.19. Compounds of Halogen; References; Appendixes
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Sommario/riassunto

The Sixth Edition of this classic work comprises the most comprehensive and current guide to infrared and Raman spectra of inorganic, organometallic, bioinorganic, and coordination compounds. From fundamental theories of vibrational spectroscopy to applications in a variety of compound types, this has been extensively updated. New topics include the theoretical calculations of vibrational frequencies (DFT method), chemical synthesis by matrix co-condensation reactions, time-resolved Raman spectroscopy, and more. This volume is a core reference for chemists and medical professionals working with
