



BIOS Instant Notes in Inorganic Chemistry

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Taylor & Dook Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Section A: Atomic Structure The nuclear atom. Atomic orbitals. Many-electron atoms. The periodic table. Trends in atomic properties. Section B: Introduction to Inorganic Substances. Electronegativity and bond type. Chemical periodicity. Stability and reactivity. Oxidation and reduction. Describing inorganic compounds. Inorganic reactions and synthesis. Methods of Characterization. Secton C: Structure and Bonding in Molecules Electron pair bonds. Molecular shapes: VSEPR. Molecular symmetry and point groups. Molecular orbitals: homonuclear diatomics. Molecular orbitals: heteronuclear diatomics. Molecular orbitals: polyatomics. Rings and clusters. Bond strengths. Lewis acids and bases. Molecules in condensed phases. Section D: Structure and Bonding in Solids Introduction to solids. Element structures. Binary compounds: simple structures. Binary compounds: factors influencing structure. More complex solids. Lattice energies. Electrical and optical properties. Section E: Chemistry in Solution Solvent types and properties. Brinsted acids and bases. Complex formation. Solubility of ionic substances. Electrode potentials. Solvents in synthesis of solids. Section F: Chemistry of Non-metals Introduction to nonmetals. Hydrogen. Boron. Carbon, silicon and germanium. Nitrogen. Phosphorus, arsenic and antimony. Oxygen. Sulfur, selenium and tellurium. Halogens. Noble gases. Section G: Chemistry of Non-transition Metals. Introduction to nontransition metals. Group.

Reviews

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