



## Molecules and the Chemical Bond

By Henry A. Bent

Trafford Publishing. Paperback. Condition: New. 404 pages. Dimensions: 10.8in. x 8.2in. x 0.9in. This modestly priced, highly original scientific memoir about MOLECULES AND THE CHEMICAL BOND and other leading topics of general, organic, inorganic, and physical chemistry presented in new keys by a noted chemist and chemical educator may revolutionize through its simplifications how newcomers to chemical thought and its connoisseurs think about such topics as the Mole Concept, the Gas Laws, the saturation and directional character of chemical affinity, bond diagrams, Lewis structures, the Octet Rule, expanded octets, VSEPR Theory, multi-center bonds, bonding in metals, the Pauli and Heisenberg statements of Exclusion Principles, exclusive orbitals, molecular orbitals, frontier orbitals, intermolecular interactions, reaction mechanisms, the Periodic Table, pH calculations, the energy function and the First Law of Thermodynamics, the entropy function and the Second Law of thermodynamics, and, by way of examples from the history of the evolution of chemical thought, how inductive sciences advance, through inductions based on evidence and exercises of the imagination. Its been called The Best of Bent: a resource and -- hopefully -- a source of inspiration for individuals in any walk of life who hope to thrive in societies that prize invention and creativity. This...



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