

1. Record Nr.	UNINA9910596956403321
Titolo	Atomic structure // Goldhil Video (Firm)
Pubbl/distr/stampa	New York, N.Y., : Infobase, [2005], c2000
Descrizione fisica	1 streaming video file (27 min.) : sd., col., digital file
Collana	Chemistry: The Standard Deviants Core Curriculum
Soggetti	Cell metabolism Chemical elements Chemistry, Physical and theoretical Inorganic compounds Organic compounds Educational films. Internet videos. Videorecording
Lingua di pubblicazione	Inglese
Formato	Videoregistrazione
Livello bibliografico	Monografia
Nota di contenuto	Quantum Mechanics (2:28) -- Quantum Numbers (4:40) -- Electron Shells (2:55) -- Orbitals (4:19) -- Periodic Table and Orbitals (3:36) -- Writing Electron Configurations (4:14) -- Review of Atomic Structure (1:50)
Sommario/riassunto	Atomic structure lies at the crossroads of both chemistry and physics, and this program examines a field of study crucial to both: the scientific shell game known as quantum mechanics. Schrodinger's mathematical distribution and the Pauli Exclusion Principle; electron orbitals and the three types of quantum numbers; and shells, subshells, and nodes are all discussed. A thorough demonstration of writing electron configurations is included as well.