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Note generali	Previous edition: Chemical fundamentals of geology (London ; Glasgow : Weinheim : Chapman and Hall, 1996).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Energy in geochemical processes -- Equilibrium in geological systems -- Kinetics of earth processes -- Aqueous solutions and the hydrosphere -- Electrons in atoms -- What we can learn from the periodic table -- Chemical bonding and the properties of minerals -- Silicate crystals and melts -- Some geologically important elements -- What can we learn from isotopes? -- The elements in the universe.
Sommario/riassunto	Chemical principles are fundamental to the Earth sciences, and geoscience students increasingly require a firm grasp of basic chemistry to succeed in their studies. The enlarged third edition of this highly regarded textbook introduces the student to such 'geo-relevant' chemistry, presented in the same lucid and accessible style as earlier editions, but the new edition has been strengthened in its coverage of environmental geoscience and incorporates a new chapter introducing isotope geochemistry. The book comprises three broad sections. The first (Chapters 1-4) deals with the basic physical