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Collana	The basics
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. From Mendel's Peas to Double Helices -- 2. How Genes Work -- 3. Genes and Health -- 4. Genetic Testing -- 5. Gene Therapy and Genome Editing -- 6. From Ancestry to Destiny.
Sommario/riassunto	Human genetics has blossomed from an obscure biological science and explanation for rare disorders to a field that is profoundly altering health care for everyone. This thoroughly updated new edition of Human Genetics: The Basics provides a concise background of gene structure and function through the lens of real examples, from families living with inherited diseases to population-wide efforts in which millions of average people are learning about their genetic selves. The book raises compelling issues concerning: • The role of genes in maintaining health and explaining sickness • Genetic testing, gene therapy, and genome editing • The common ancestry of all humanity and how we are affecting our future. Written in an engaging, narrative manner, this concise introduction is an ideal starting point for anyone who wants to know more about genes, DNA, genomes, and the genetic ties that bind us all.