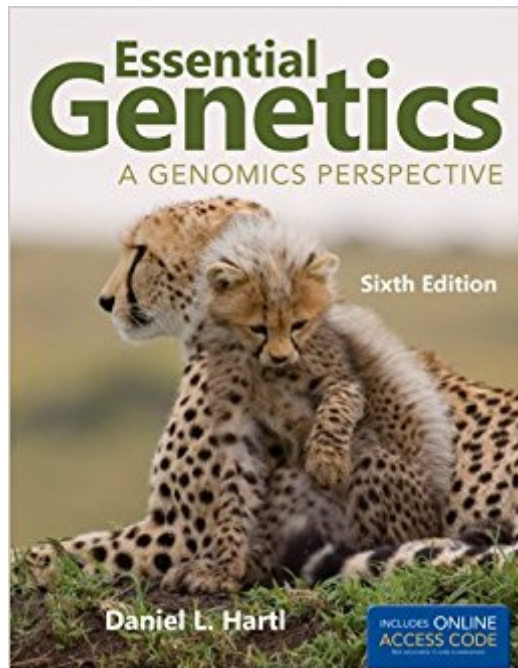




**Ebook Directory**  
the best source of ebook

The book was found

# Essential Genetics: A Genomics Perspective



## Synopsis

Every new copy includes access to the student companion website Updated throughout to reflect the latest discoveries in this fast-paced field, *Essential Genetics: A Genomics Perspective*, Sixth Edition, provides an accessible, student-friendly introduction to modern genetics. Designed for the shorter, less comprehensive course, the Sixth Edition presents carefully chosen topics that provide a solid foundation to the basic understanding of gene mutation, expression, and regulation. It goes on to discuss the development and progression of genetics as a field of study within a societal and historical context. The Sixth Edition includes new learning objectives within each chapter which helps students identify what they should know as a result of their studying and highlights the skills they should acquire through various practice problems. What's new in the Sixth Edition? Chapter 1 includes a new section on the origin of life Chapter 2 includes a revised discussion of the complementation test and how it is used to determine whether two mutations have defects in the same gene Chapter 3 incorporates new data showing that the folding of interphase chromatin into chromosome territories has the form of a fractal globule. It also includes a new section on progenitor cells and embryonic stem cells Chapter 4 includes a new section discussing how copy-number variation in human amylase evolved in response to increased dietary starch as well as the latest on hotspots of recombination Chapter 5 is updated with the latest information on hazards of polycarbonate food containers. It also includes a new section on the genetics of schizophrenia and autism spectrum disorder Chapter 6 includes a revised section on restriction mapping and also discusses the newest massively parallel DNA sequencing technologies that can yield the equivalent of 200 human genomes' worth of DNA sequence in a single sequencing run Chapter 7 has been updated with a shortened and streamlined discussion of recombination in bacteriophage Chapter 8 includes new discoveries concerning the mechanisms of intrinsic transcriptional termination as well as rho-dependent termination Chapter 9 is updated with a new section on stochastic effects on gene expression and an expanded discussion of the lactose operon. There is also a revised discussion of galactose gene regulation in yeast, as well as new sections on lon noncoding RNAs Chapter 10 includes new sections on ancient DNA sequences of the Neandertal and Denisovan genomes Chapter 11 examines master control genes in development Chapter 12 includes a new section on the repair of double-stranded breaks in DNA by nonhomologous end joining or template-directed gap repair Chapter 13 has been extensively revised with the latest data on cancer. Chapter 14 includes a new section on the detection of natural selection, as well as a new section on conservation genetics Key Features of *Essential Genetics*, Sixth Edition: New Learning Objectives within each chapter help students to: Identify what they should know or be able to do as

a result of their study Focus on the knowledge they should have acquired from studying the chapter Guide them to identify key concepts and use them at a variety of learning levels including comprehension, application, analysis, and synthesis Highlight the skill they should acquire through practice of various problem types Each chapter includes several different types and levels of problems, including: concept, synthesis, and discussion questions, problem solving questions, and application and analysis problems. The companion Website, GeNETics on the Web, includes numerous study tools and learning resources such as animated flashcards, crosswords, and practice quizzes An electronic Student Study Guide and Solutions Manual is available, containing chapter summaries, key terms, and extra study questions, as well as worked solutions for all Concepts in Action problems. The Instructor's Media CD-ROM includes a PowerPoint Image Bank and PowerPoint Lecture Slides. An online Test Bank is also available for use in most course management systems.

## **Book Information**

Paperback: 574 pages

Publisher: Jones & Bartlett Learning; 6 edition (October 26, 2012)

Language: English

ISBN-10: 1284021122

ISBN-13: 978-1449686888

ASIN: 1449686885

Product Dimensions: 0.8 x 8.2 x 10.8 inches

Shipping Weight: 2 pounds (View shipping rates and policies)

Average Customer Review: 3.6 out of 5 stars 13 customer reviews

Best Sellers Rank: #31,142 in Books (See Top 100 in Books) #17 in [Books > Textbooks > Medicine & Health Sciences > Medicine > Basic Sciences > Genetics](#) #59 in [Books > Medical Books > Basic Sciences > Genetics](#) #61 in [Books > Engineering & Transportation > Engineering > Bioengineering > Biochemistry](#)

## **Customer Reviews**

I have never encountered such a lackluster text... The overall writing style is scattered and vague, making it hard to understand without going over certain passages more than a couple of times. It's filled with grammatical errors and incorrect problem answers, as well. The professor of my genetics course kept having to give the class a heads-up about incorrect questions/answers, or re-explain parts of the text due to unnecessary confusion. Even the solutions manual gives the wrong answers

to a ridiculous amount of problems! Makes you wonder about the revision process this book went through.

Used this book for an undergraduate genetics course. It's sufficient and has well-updated information, but its explanations are oftentimes confusing and poorly-edited.

I really like the size of this book. It's not hardback or too big to where it's heavy. It's pretty light. It's not too small to where you couldn't insert your 8x11 homework papers.

great book but mistakes some places. like the amino acids are supposed to be  $\text{NH}_3^+$  but they have it as  $\text{NH}_2$ , decent though

Incredibly basic, perfect for someone with little to no prior knowledge of genetics.

it is book. and it's a good book

great product

Great book, delivery was very fast.

[Download to continue reading...](#)

Essential Genetics: A Genomics Perspective Draw in Perspective: Step by Step, Learn Easily How to Draw in Perspective (Drawing in Perspective, Perspective Drawing, How to Draw 3D, Drawing 3D, Learn to Draw 3D, Learn to Draw in Perspective) Genetics and Genomics in Nursing and Health Care Human Genetics and Genomics, Includes Wiley E-Text Genetics and Genomics for Nursing Genetics and Genomics in Oncology Nursing Practice Thompson & Thompson Genetics in Medicine, 8e (Thompson and Thompson Genetics in Medicine) Loose-leaf Version for Genetics: A Conceptual Approach 6E & Sapling Plus for Genetics: A Conceptual Approach 6E (Six-Month Access) Genetics: From Genes to Genomes (Hartwell, Genetics) Essentials of Genetics Plus MasteringGenetics with eText -- Access Card Package (9th Edition) (Klug et al. Genetics Series) Concepts of Genetics Plus MasteringGenetics with eText -- Access Card Package (11th Edition) (Klug et al. Genetics Series) Thompson & Thompson Genetics in Medicine: With STUDENT CONSULT Online Access, 7e (Thompson and Thompson Genetics in Medicine) Genetics of Deafness (Monographs in Human Genetics, Vol. 20) Essential Oils: 50 Essential Oil Dog & Cat

Recipes From My Essential Oil Private Collection: Proven Essential Oil Recipes That Work!  
(Essential Oil Pet Private Collection Book 1) Essential Oils: Essential Oil Recipe Book - 30 Proven  
Essential Oil Recipes ::: My Essential Oil Private Collection Vol. 1 (Private Collection Essential Oils)  
Nutritional Genomics: The Impact of Dietary Regulation of Gene Function on Human Disease  
Genomics, Proteomics and Metabolomics in Nutraceuticals and Functional Foods (Hui: Food  
Science and Technology) Genomics, Proteomics and Metabolomics in Nutraceuticals and  
Functional Foods Bioinformatics and Functional Genomics Discovering Genomics, Proteomics and  
Bioinformatics (2nd Edition)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)