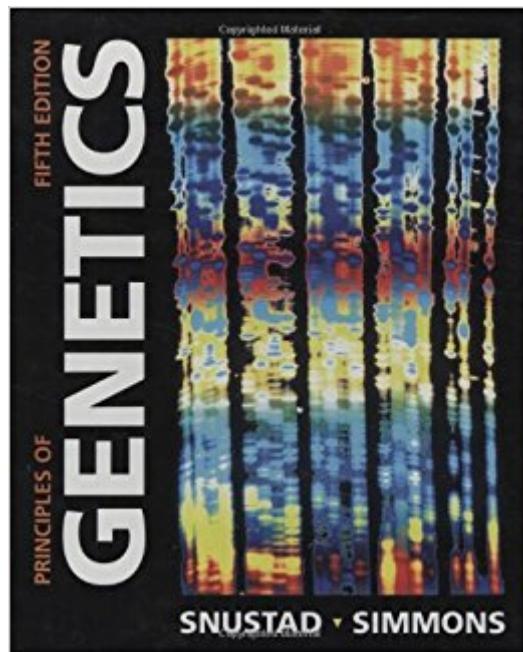


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# Principles Of Genetics



## **Synopsis**

Snustad provides scientists with the confidence to apply problem solving to the major principals of genetics. It eases them into the art of problem solving by integrating problems within each chapter. A clear connection between key principals and related problems is presented in each chapter. Icons help them clearly see how a problem is worked out before reading on. The fifth edition has also been revised with an improved art program. It offers more balanced coverage of traditional and modern topics by weaving classical genetics with molecular genetics, and illustrating the connection between the two. The book is problem-solving-centric as well. Chapters now contain problems that correlate with major principals. Coverage of both classic experiments and current research will allow scientists to gain perspective on the process of science.

## **Book Information**

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## **Customer Reviews**

I would rate this as one of the best (if not the best) introductory texts in genetics. Comparing this to various other material that I've come across, Snustad and Simmons definitely exhibit superior aptitude in educational skills in this work. They have a firm grasp of what their target readers can understand and know how build up the readers' progressive comprehension while keeping the interest level high. This is the true mark of a well-constructed textbook. We all know how boring some texts can be, but I found myself always itching to read on and even go backward to review some of the concepts. The authors' use of simple language (unlike some other "introductory" texts) makes reading somewhat "light and fun" in contrast to some others who seem to not be as adept in communicating to "pre-PhD" students. Another characteristic that makes this work stand out is it's

sheer beauty. The illustrations, photographs, charts, and even the layout are absolutely gorgeous! Hey, I'm not one who judges a book by the cover, but even the cover is beautiful! The artwork is well thought out and easy to understand. Many parts of the text can be reviewed plainly by looking at the pictorial descriptions without necessitating too much re-reading of the sections. The authors also include well-placed "sidelights" throughout the book to help the reader get a "real-life" connection to subject. And the sidelights are mostly about what we care about most...ourselves. Thus, in addition to constant reference to medical applications here and there, the sidelights help the reader appreciate what genetics is all about. Another important aspect of this text is that it is up to date. The authors have taken into consideration the exponential advances in the field and documented it here. That is just one more plus to this already fantastic piece of work!

If you are looking for a book that describes classical genetics in great details, this book is not for you. To me, the main effort of the authors is to focus on the modern idea of how geneticists think and work. The organization of the text is nicely arranged so that readers can understand the concepts in one chapter that lead to the more advanced one in the next chapter. The materials presented are not too "introductory", and it is not too difficult for a typical undergraduate student to understand either. Also, It can properly serve as a good reference for a graduate student, like myself, when a time of need in some genetic concepts!

As the authors indicate, this book is meant to be an introduction to genetics. It should, therefore, be judged as such. My academic background is physics, not biology, and I can testify that this book presents a comprehensive overview of basic principles, historic info about classical experiments and important persons, and intros to modern topics. The pictures in the book illustrate the various processes and schemes quite well. In short, the book provides what it is meant to provide. More detail would blow up the size of the book, only to discourage readers new to genetics.

I am majoring in Psychology with little background on Genetics. I purchased this book to prepare for the GRE Subject test (Biochemistry, Cell & Molecular Biology) and I couldn't be more pleased with my order! The explanations are easy to follow but the text covers ALL major aspects of Genetics (Classic & Modern). The illustrations are top notch. I preferred this edition over the newer one because of the price tag. It's 50% cheaper and the ONLY difference is in the cosmetics of the pictures.

When I was getting a very brief introduction of genetics in my Biology book by Raven, for some reason I was just not understanding what the hell I was reading. This book is easy to grasp, very well written. I highly recommend it to anyone, also, the CD is pretty good.

I had wanted a book maybe titled "Genetics for Dummies", but having found none, I settled for this one. Genetics - granted - is a VERY difficult subject, and I was hoping this might come just a little close to my hopes. No dice. This is a large, heavy TEXTBOOK on the subject, and it's taking me more than a WEEK (not reading everyday) to just get past the 2 or 3 page introduction.. Very complex subject (of course), and I would presume perfect for those who have a \*little\* background in basic biology. [Musician don't get biology courses in their degree programs.] Small font, compact chapters and sub-chapters. I intend to stay with it a little longer, with hope that it will begin to 'clarify' soon. A fairly large book: 11" x 9" x 1-1/2" thick. Well illustrated.

I brought this book for my son. He said that this book is great for revision purposes. He loved how easy it was to use. The shipment was a bit delayed but would recommend.

Bought it for my Genetics course... Really well written. I will probably keep this book for the rest of my life.

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