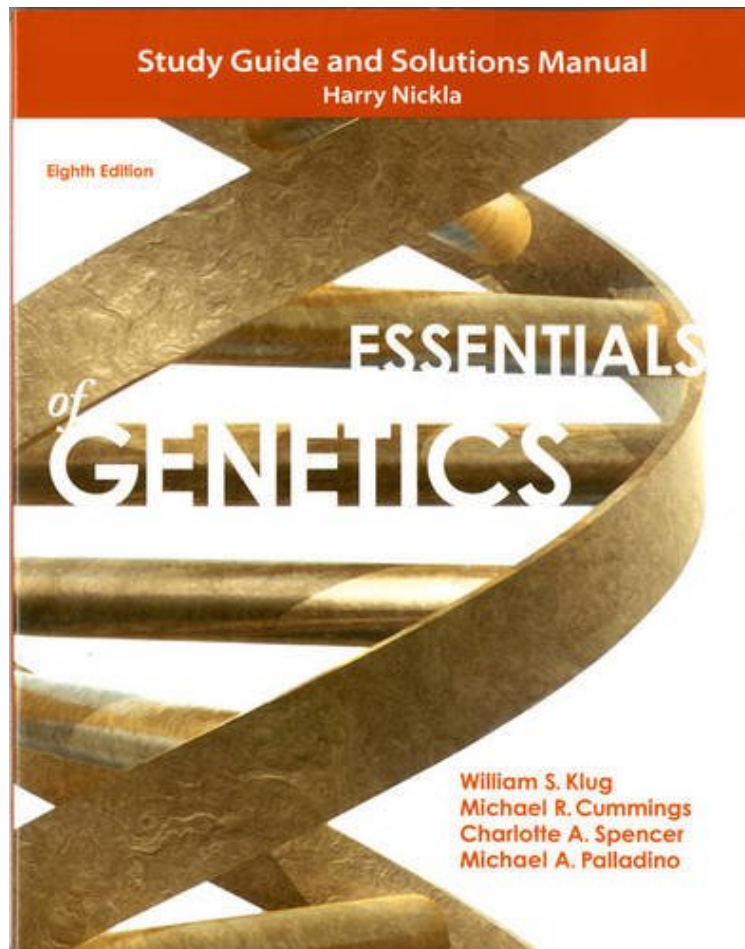


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Study Guide and Solutions Manual for Essentials of Genetics

William S. Klug, Michael R. Cummings, Charlotte A. Spencer, Michael A. Palladino, Harry Nickla
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William S. Klug, Michael R. Cummings, Charlotte A. Spencer, Michael A. Palladino, Harry Nickla : Study Guide and Solutions Manual for Essentials of Genetics before purchasing it in order to gage whether or not it would be worth my time, and all praised Study Guide and Solutions Manual for Essentials of Genetics:

1 of 1 people found the following review helpful. An okay companion for the 7th edition of Klug's Essential of Genetics; B-23 Reviewed!By B-23The study guide and solutions manual is a hit or miss type of book. It includes the odd number answers but with the even numbers you are stuck guessing if your answer is right or wrong. At my university we used (mastering genetics) and some of the answers on the website contradicted the answers in the book or vice versa. I did not know which is correct and found it very frustrating so I had to go to office hours to find out the correct answer. This edition is out of print, but later editions are available. DO NOT use this manual for the 8th edition of Essential of Genetics by William S. Klug. This book is B-23 reviewed!Content Review: on the eve of the successes of the Human Genome Project (HGP). The HGP project and Celera Corporation have significantly changed our study and understanding of genetics. I imagine the current editions of this textbook are much changed. Throughout the 19th

and 20th centuries the men and women (and there were many women in this field) who studied genetics were part mathematicians and part diligent investigators. Indeed, much of the opening chapters of the 3rd edition read like a math text with discussions of probability, combinatorics, logic, and problem solving. Experiments had to be cleverly designed so that the genotypes [DNA] of all gametes can be determined accurately by observing the phenotypes [observable characteristics] of the result offspring. This is necessary because the gametes and their genotypes can never be observed directly. This was the fact of life that made these heroic genetic scientists a close knit group. Every chapter references the many scientists who made slow progress observing generations of bacteria, and famous model organisms such as *c. elegans* and *d. melanogaster*, which were bred to support slow scientific before genotypes could be observed directly. While the text is packed with excellent science, one 20th century mythology is also well represented. Before the HGP, it was imagined that *homo sapiens sapiens* (that is you and I) were somehow special and must therefore had to have many more genes than other living things. The chauvinistic consensus was in the neighborhood of 50,000 to 100,000. The HGP has settled on under 25,000, with the higher numbers belonging to plants like grapes and corn. As I read through the clever and tedious research required to take us from Mendel to HGP, I wonder where the epic novel of trial and discovery is. A 21st century Michener or Uris should tackle this project.

0 of 0 people found the following review helpful. Five Stars
By Anonymous
In conjunction with the "Essentials of Genetics" textbook, these two will both prepare you for your exams well!

0 of 0 people found the following review helpful. super awesome book for a class
By Ana I. Vazquez
super awesome book for a class, this one and the main book. Plus they send you for free a cd with ppts for all the chapters, which makes much easier class preparation, you do not need to be scanning or re-doing pictures. Great material for class, great exercises, great support for teacher!

This valuable manual provides a detailed, step-by-step solution or extended discussion for every problem in the text in a chapter-by-chapter format. The handbook also contains extra study problems and a thorough review of the concepts and vocabulary.