

The first edition of this book "Introductory Genetics" comprised of 11 Chapters which include the following: 1. Introduction to Genetics: Types of variation, principles of Genetics, differences between qualitative and quantitative traits. 2. Cell divisions: Cell cycle, Mitosis and Meiosis. 3. Mendelian Laws: Laws of segregation, independent assortment and dominance. 4. Gene Interaction: Allelic and non-allelic gene interactions. 5. Multiple Factors (Genes): Characteristics and significance of multiple factors. 6. Variation in gene expression: Types of RNA. 7. Linkage and chromosome mapping: with worked examples and solutions. 8. Gene structure and function: Types of nucleic acids and protein synthesis. 9. Mutation: Types of mutation and chromosomal mutation. 10. Population Genetics: Factors that affect genetic change in a population, Hardy-Weinberg Law with worked examples and solutions. 11. Introduction to Bioinformatics: Nucleic acid databases. This book is meant for students of B.Sc., B.Sc. (Hons) and M.Sc. of Biological group such as Plant Sciences, Zoology, Plant Breeding and Biosciences.

The Message Of The Lords Prayer To Men Of The Twentieth Century, Rashomon Nose [Japanese Edition], World City, The Organic Way to Plant Protection, The Prophecy of the Last Pope - Is This Finally the End?, Avoidance and Settlement of Arms Control Disputes, Classic Bible Stories for the Modern World : The Complete Story of the Bible In Contemporary Language With More Than 500 Timeless Illustrations, New Dimensions in Regional Integration, The Innovation Zone: How Great Companies Re-Innovate for Amazing Success, Money Problems-How To Solve Relationship Money Problems: Save Your Marriage By Learning How To Fix All Your Money Problems And Save Your Relationship,

The passing of traits from parents to offspring is known as heredity, therefore, genetics is the study of heredity. This introduction to genetics takes you through the basic components of genetics such as DNA, genes, chromosomes and genetic inheritance. Genetics is built around molecules called DNA. A gene is a hereditary unit consisting of DNA that occupies a spot on a chromosome and determines a characteristic in an organism. Genes are passed on from parent to child and are believed by many to be an important part of what decides looks and behavior. INTRODUCTION TO GENETICS. Table of Contents. Heredity, historical perspectives The Monk and his peas Principle of segregation. Dihybrid Crosses.

Genetics is the study of how genes bring about characteristics, or traits, in living things and how those characteristics are inherited. Genes are specific sequ. 24 Aug - 3 min - Uploaded by Frank Gregorio This HD dramatic video choreographed to powerful music introduces the viewer/ student to the. The course introduces students to genetics and its importance for tree breeding and improvement. Genetic engineering, molecular ecology and evolutionary. 16 Jun - 5 min An introduction to Mendelian Genetics and inheritance. By Ross Firestone. An introduction. Introduction to Genetics and Evolution is a college-level class being offered simultaneously to new students at Duke University. The course gives interested. Introductory Genetics. The unit introduces students to the principles of genetics and provides an understanding of basic concepts in genetics. An introductory biology textbook is also sufficient for 80% of introductory genetics. My recommendation for a general Biology text is Campbell et al., which is.

Genetics seeks to identify which features are inherited, and explain how .. Introduction to Genetics, University of Utah; Introduction to Genes.

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