



Genetics, 3rd edition

By Hugh Fletcher

Viva Books Private Limited, 2009. Paperback. Book Condition: New. 3rd edition. The third edition of Instant Notes in Genetics has been thoroughly revised to reflect the rapid advances made in genetics, while still focusing on the core concepts of human and molecular genetics. The new edition has: ? increased emphasis on genomics ? simplified explanations of major techniques ? more detail on human evolution Contents: Section A ? Molecular genetics ? DNA structure ? Genes ? The genetic code ? Gene transcription ? Transfer RNA ? Ribosomal RNA ? Messenger RNA ? Translation ? DNA replication ? Regulation of gene expression in prokaryotes ? Regulation of gene expression in eukaryotes ? Epigenetics and chromatin modification ? Section B ? Genomes ? Chromosomes ? Cell division ? Prokaryote genomes ? Eukaryote genomes ? DNA mutation ? Mutagens and DNA repair ? Recombination ? Bacteriophages ? Eukaryotic viruses ? Genome analysis ? Section C ? Mechanisms of inheritance ? Basic Mendelian genetics ? More Mendelian genetics ? Meiosis and gametogenesis ? Linkage ? Transfer of genes between bacteria ? Genes in eukaryotic organelles ? Quantitative inheritance ? Sex determination ? Sex and inheritance ? Inbreeding ? Probabilities ? Tests for goodness of...



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