

chapter 11 4 meiosis pdf

Meiosis (/ m aɪə ˈ oʊ s ɪ s /); from Greek μέiωσις, meiosis, which means lessening) is a specialized type of cell division that reduces the chromosome number by half, creating four haploid cells, each genetically distinct from the parent cell that gave rise to them. This process occurs in all sexually reproducing single-celled and multicellular eukaryotes, including animals, plants ...

Meiosis - Wikipedia

A chromosome (/ ˈ k r oʊ s oʊ m ˈ ɛ s oʊ m, - ɛ z oʊ m /; from Ancient Greek: χρωσώματα, chromosoma, chroma means colour, soma means body) is a DNA molecule with part or all of the genetic material of an organism. Most eukaryotic chromosomes include packaging proteins which, aided by chaperone proteins, bind to and condense the DNA molecule to prevent it from becoming an unmanageable ...

Chromosome - Wikipedia

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CELL SHAPE Cells come in a variety of shapes depending on their function:- The neurones from your toes to your head are long and thin; Blood cells are rounded disks, so that they can flow smoothly.

INTRODUCTION TO THE CELL - BiologyMad A-Level Biology

2 DNA as the Genetic Material DNA was first extracted from nuclei in 1870 and named "nuclein" after their source. Chemical analysis determined that DNA was a weak acid rich in phosphorous.

DNA: The Genetic Material

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Molecular Biology of the Cell 6, Bruce Alberts, Alexander

1. INTRODUCTION - OVERVIEW - Biology as a science deals with the origin, history, process, and physical characteristics, of plants and animals: it includes botany, and zoology. A study of biology includes the study of the chemical basis of living organisms, DNA. Other related sciences include microbiology and organic chemistry.

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