

Cell Division (Meiosis)

I. The Human Life Cycle

II. Halving the Chromosome Number (1st result of meiosis)

III. Genetic Variation (2nd result of meiosis)

IV. Meiosis

V. Changes in Chromosome Number and Structure

Key Terms: Mitosis, meiosis, human life cycle, chromosome number, diploid number, haploid number, asexual reproduction, sexual reproduction, fertilization, crossing over, independent assortment, gametes, oogenesis, spermatogenesis, aneuploidy, nondisjunction, Down Syndrome.

Recommended videos:

1. Cassiopejaproject: Chromosomes (4:16 min)
2. Khan Academy: Phases of Meiosis (27:23 min)