

Genetics

I. Gregor Mendel and Mendel's Laws

II. Simple Genetic Traits (Mendelian Genetics)

III. Predicting Offspring

IV. Complex Genetic Traits

Key Terms: Genetics, Gregor Mendel, Mendelian genetics, genes, alleles, Law of Segregation, Law of Independent Assortment, meiosis, dominant allele, recessive allele, genotype, phenotype, homozygous trait, heterozygous trait, Punnett square, autosomes, autosomal recessive disorder, autosomal dominant disorder, multiple alleles trait, incomplete dominance, pleiotropy, polygenic inheritance, X linked inheritance, sex chromosomes.

Recommended videos:

1. Mr Do: Punnett Square (2:50 min)
2. Khan Academy: Punnett Square Fun (25:16 min)
3. Mr. Anderson: Phenotypes and Genotypes (12:57 min)