

Mendel's Experiments and Heredity

Genetics - the study of inheritance (heredity)

→ how parental traits are passed to their offspring

Gregor Mendel

→ Lived 1822-1884

→ "father of genetics"

→ Foundation for modern-day genetics (through his discoveries that involved F1 & F2 generations)

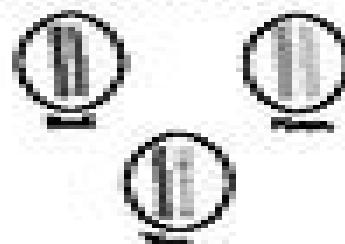
→ His plant experiments: focused on patterns of inheritance & basis for the occurrence of variation in genetics

→ His known knowledge of chromosomes in plants (he called them "factors")



How exactly are your traits passed on?

→ by genes that are located on chromosomes



Alleles - different forms of the same gene; you inherit versions of these alleles

Ex. plant = green color → allele = green, blue, purple

→ some located in the same position on homologous chromosomes



Mendel And Heredity Study Guide

Jane B. Taylor, John D. Jackson

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