

INTERNATIONAL INDIAN SCHOOL BURAIDAH

CLASS 10 BIOLOGY

WORKSHEET

HEREDITY

Multiple Choice Questions:

* The father of genetics is:

- * a) Gregor Mendel
- * b) Charles Darwin
- * c) James Watson
- * d) Francis Crick

* The physical expression of genes is called:

- * a) Genotype
- * b) Phenotype
- * c) Allele
- * d) Chromosome

* The process of crossing two individuals with different traits is called:

- * a) Self-pollination
- * b) Cross-pollination
- * c) Hybridization
- * d) Mutation

* The genetic makeup of an individual is called its:

- * a) Phenotype
- * b) Genotype
- * c) Karyotype
- * d) Genome

* The different forms of a gene are called:

- * a) Alleles
- * b) Chromosomes
- * c) DNA
- * d) RNA

Short Answer Questions:

- * Define heredity.
- * What is the difference between genotype and phenotype?
- * Explain Mendel's Law of Dominance.
- * What are sex chromosomes?
- * How is sex determined in humans?

Long Answer Questions:

- * Describe Mendel's experiment on pea plants. Explain his observations and conclusions.