

NEW STANDARD ACADEMY

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CLASS 12 DPP (BIOLOGY)

- Alleles of a gene are found on
 - Same Chromosome
 - Homologous Chromosome
 - Non homologous Chromosome
 - Any Chromosome
- The color- based contrasting pairs among 7 contrasting traits studied by Mendel in pea were
 - 1
 - 2
 - 3
 - 4
- Who many types of gametes will be produced by individual having genotype $AaBbCc$
 - Six
 - Four
 - Eight
 - Sixteen
- F1 progeny or Dominant phenotype of F2 progeny was crossed with recessive parent this type of cross is called as
 - Test cross
 - Back cross
 - Reciprocal Cross
 - None
- Who rediscovered Mendel's work
 - Hugo de Vries
 - Carl Correns
 - Erich van
- All what is phenotypic ratio in F2 generation of dog flower plant (RR red & rr white)
Hybridization experiment
 - All red (100%)
 - 3:1 (Red: white)
 - 1:2:1 (Red, pink, white)
 - Both b & c
- Multiple allele theory came into picture by
 - Study on person
 - Study on population
 - By Chance
 - All of above
- A modified allele can produce
 - Normal Enzyme
 - Less efficient Enzyme
 - A nonfunctional Enzyme
 - No Enzyme at allSelect true statement
 - b, c, d
 - a, b, c & d
 - c, d
 - a, c, d
- Exception to 1st law of Mendel
 - Incomplete dominance
 - Co-dominance
 - Both
 - None
- How many genotypes & phenotypes are found in human blood grouping
 - 6, 4
 - 4, 6
 - 3, 3
 - 8, 6