

Vidya Bhawan Balika Vidyapeeth Lakhisarai

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Class 12<sup>th</sup>

Subject : Biology

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Answer the following questions

1. Two hydrogen gas parents are crossed. If the two loci are linked what would be the distribution of phenotypic feature in F1 generation for a dihybrid cross ?
2. A child has blood group O. If father has blood group A and mother blood group B, work out the genotype of the parents and the possible genotype of the other offspring .
3. Explain the following terms with examples codominance, incomplete dominance and point mutation .
4. What do you mean by the term chromosomal theory of inheritance?
5. A diploid organism is heterozygous for 4 loci , how many types of gametes can be produced ?