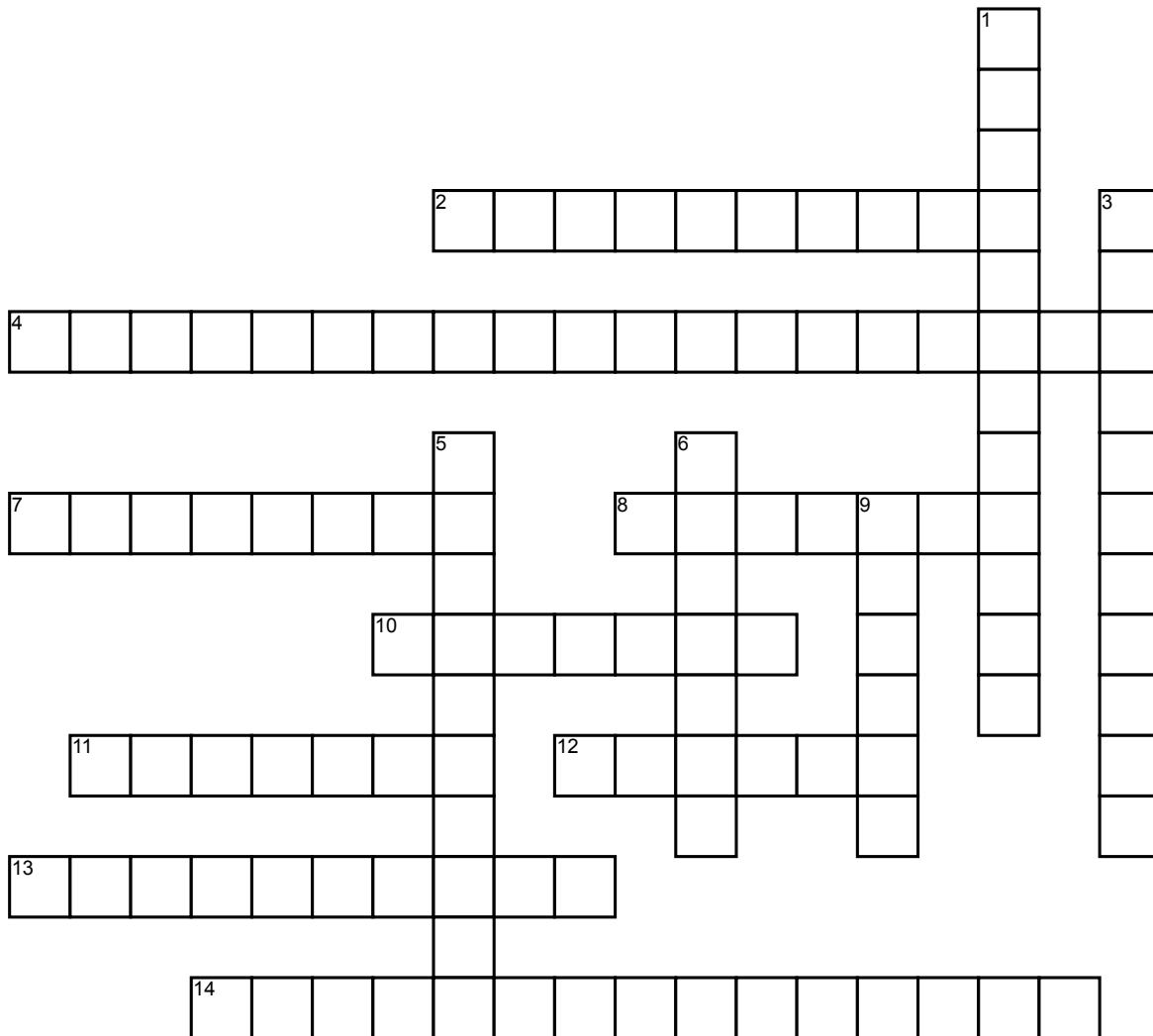


Principles of Inheritance Class : XII Biology



Across

2. 13) The structure in the nucleus that appeared double and divide just before each cell division

4. 4) Genetic disorder due to the presence of an additional copy of X chromosomes resulting in a karyotype of 47, XXY

7. 5) Sudden change results in the alteration of DNA sequence and result in the genotype and phenotype of an organism

8. 9) Specific name of pea plant

10. 11) Who proposed the graphical representation to calculate the probability of all genotypes of offspring in a genetic cross

11. 12) Well known Indian breed of cows in Punjab

12. 7) Scientist who gave the experimental verification of chromosomal theory of inheritance

13. 8) Genetic name of fruit fly

14. 2) Inborn error of metabolism inherited as autosomal recessive trait

Down

1. 6) Term used for 2 different types of gametes in terms of sex chromosome

3. 1) Sex linked recessive disease when in the clotting of blood is affected

5. 3) Term for segregation of chromatids during cell division cycle results in the gain or loss of chromosome(s)

6. 10) The discrete unit that controls the characters and occurs in pairs

9. 14) Which amino acid substitutes Glutamic acid in sickle cell anaemia, an autosomal recessive trait disorder