

CLASS-Xth, SUB-BIOLOGY

CHAPTER-HEREDITY

ASSIGNMENT

Q1)Who is known as father of genetics?

Q2)Write the scientific name of the plant on which Mendel carried out his experiment.

Q3)How many chromosomes are present in human beings?

Q4)What is the genetic material?what is its importance?

Q5)What are recessive genes?

Q6)What are dominant genes?

Q7)Name the cells which possess half the number of chromosomes in human beings? (hint-germ or reproductive cells)

Q8)State the advantages of sexual reproduction?

Q9)Name any two contrasting characters noticed by Mendel in the garden pea plants.

Q10)State the ratio of plants produced in the monohybrid cross in the F1 and F2 generation?

Q11)Where are genes located? What is the chemical nature of genes?

Q12)How is the sex of a newborn child determined in humans?

Q13)Why did Mendel choose pea plant for his experiment?

14)Give reasons why acquired characters are not inherited.

Q15)What are the functions played by DNA?

Q16)What observations did Mendel make during his experiments?