



BIOLOGY

BOOKS - SARAS PUBLICATION

CHROMOSOMAL BASIS OF INHERITANCE

Example

1. What is gene mapping? Write its uses.



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2. What is crossing over.



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3. What is recombination?



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4. Define sex linkage.



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5. What is meant by cis configuration?



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6. What is meant by trans configuration?



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7. Define linkage groups.



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8. What is meant by bivalent?



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9. Define chiasmata.



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10. Define synaptonemal complex.



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11. What are dimorphic plants?



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12. Define recombinations.



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13. Define recombination frequency.



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14. What is meant by map unit?



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15. What are multiple alleles?



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16. What is meant by self-incompatibility?



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17. Define mutation.



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18. Define mutagenesis.



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19. Write a note on point mutation.



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20. What is Sharbati sonora?



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21. What are chemical mutagens?



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22. What are chromosomal mutation?



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23. What is ploidy?



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24. What is aneuploidy?



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25. What is colchicine, mention its medicinal uses?



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26. Define structural chromosomal aberration.



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27. What are deficiency loops?



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28. Define inversion.



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29. Define translocation.



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30. What is meant by illegitimate crossing over?



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31. Define allopolyploidy.



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32. Define branch migration.



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33. Define Holliday Junction.



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34. What is a three point test cross?



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35. What is meant by autopolyploidy?



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36. What are fossil genes?



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37. What is meant by linkage?



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38. What is complete linkage?



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39. What is a map unit?



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40. What is transition?



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41. What is tranversion?



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42. What is insertion?



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43. What is deletion?



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44. What is silent mutation?



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45. What is missense mutation?



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46. What is nonsense mutation?



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47. What is frameshift mutation?



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48. Define comutagens.



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49. what are mutagenic agents?



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50. Define euploidy.



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51. What is meant by hyperploidy?



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52. What is trisomy?



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53. What is tetrasomy?



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54. What is pentasomy?



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55. Define hypoploidy.



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56. What is monosomy?



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57. What is nullisomy?



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58. Write a note on polyploidy.



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59. What is meant by autopolyploidy?



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60. What is autotriploids?



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61. What is autotetraploids?



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62. What is simple translocation?



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63. What is shift translocation?



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64. What is reciprocal translocation?



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65. What is homozygous translocation?



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66. What is heterozygous translation?



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67. What is the difference between missense and nonsense mutation?



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68. Differentiate tetrasomy from tetraploidy.



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69. What is the difference between mis-sense mutation and non-sense mutation?



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70. Differentiate linked genes from synthetic genes.



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71. What are the differences between germinal crossing over and somatic crossing over ?



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72. Write the differences between linkage and crossing over.



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73. Differentiate gene mutation and chromosomal mutation.



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74. Differentiate transition and transversion.





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75. Differentiate transition and transversion.



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