

Ellie

Apologia Biology Module 8: Mendelian Genetics
Vocabulary from Module 8 of Exploring Creation with Biology (2nd Ed.)
By Dr. Jay Wile and Marilyn F. Durnell

Handwritten crossword puzzle grid with the following words filled in:

- 1. A
- 2. linked
- 3. A
- 4. A
- 5. number
- 6. chromosomes
- 7. phenotype
- 8. phenotype
- 9. dominant
- 10. dominant
- 11. S
- 12. pedigree
- 13. mutation
- 14. monohybrid
- 15. Antigen
- 16. heterozygous
- 17. genetic
- 18. trait
- 19. recessive
- 20. genotype

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Clues for "Mendelian Genetics"

Exploring Creation with Biology (Vol. 2) - Module 8

ACROSS

- 7 Inheritance of a genetic trait located on the sex chromosomes is called sex-
_____ inheritance.
- 8 A change in chromosome _____ is a situation in which abnormal cellular events in meiosis lead to either none of a particular chromosome in the gamete or more than one chromosome in the gamete.
- 9 Sex _____ determine the sex of an individual.
- 10 The observable expression of an organism's genes
- 11 An allele that will determine phenotype if just one is present in the genotype is a _____ allele.
- 12 A cross between two individuals, concentrating on only one definable trait is a _____ cross.
- 13 A genotype with two different alleles is a _____ genotype.
- 14 A _____ disease carrier is a person who is heterozygous in a recessive genetic disorder.
- 15 An allele that will not determine the phenotype unless the genotype is homozygous in that allele is a _____ allele.
- 16 Two-letter set that represents the alleles an organism possesses for a certain trait

DOWN

- 1 Chromosomes that do not determine the sex of an individual
- 2 A cross between two individuals, concentrating on two definable traits is a _____ cross.
- 3 One of a pair of genes that occupies the same position on homologous chromosomes
- 4 A genotype in which both alleles are identical is a _____ genotype.
- 10 Inheritance of a genetic trait not on a sex chromosome is called _____ inheritance.
- 11 A change in chromosome _____ is a situation in which a chromosome loses or gains genes during meiosis.
- 12 A diagram that follows a particular phenotype through several generations
- 13 A radical chemical change in one or more alleles
- 14 A protein that, when introduced in the blood, triggers the production of an antibody
- 15 If an organism has a certain characteristic that is always passed on to its offspring, we say that this organism bred _____ with respect to that characteristic.