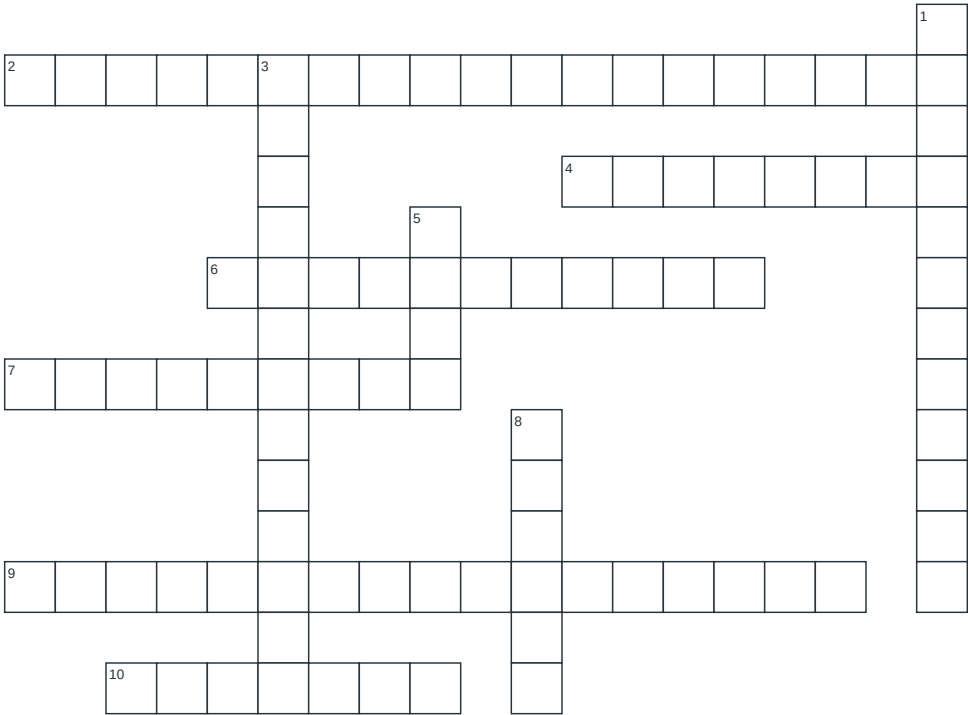


Genetics and Inheritance Crossword

Easy | 10 clues | Student Worksheet

Name: _____ Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.



ACROSS

- 2. Inheritance pattern in which a heterozygote has an intermediate phenotype
- 4. Genetic makeup of an organism at one or more gene locations
- 6. Separation of paired alleles during gamete formation
- 7. Observable characteristics resulting from genes and environmental effects
- 9. Trait expressed in a heterozygote under a complete-dominance model

ACROSS (continued)

- 10. Cells carry hereditary information from parents through sexual reproduction

DOWN

- 1. Having two different alleles at a particular gene location
- 3. Diagram used to show possible allele combinations in offspring
- 5. DNA sequence that contributes to a functional product
- 8. One of two or more forms of a gene

Easy | 10 clues | Teacher Answer Key

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



2. Incomplete Dominance
4. Genotype
6. Segregation
7. Phenotype
9. Dominant Phenotype
10. Gametes

1. Heterozygous
3. Punnett Square
5. Gene
8. Allele

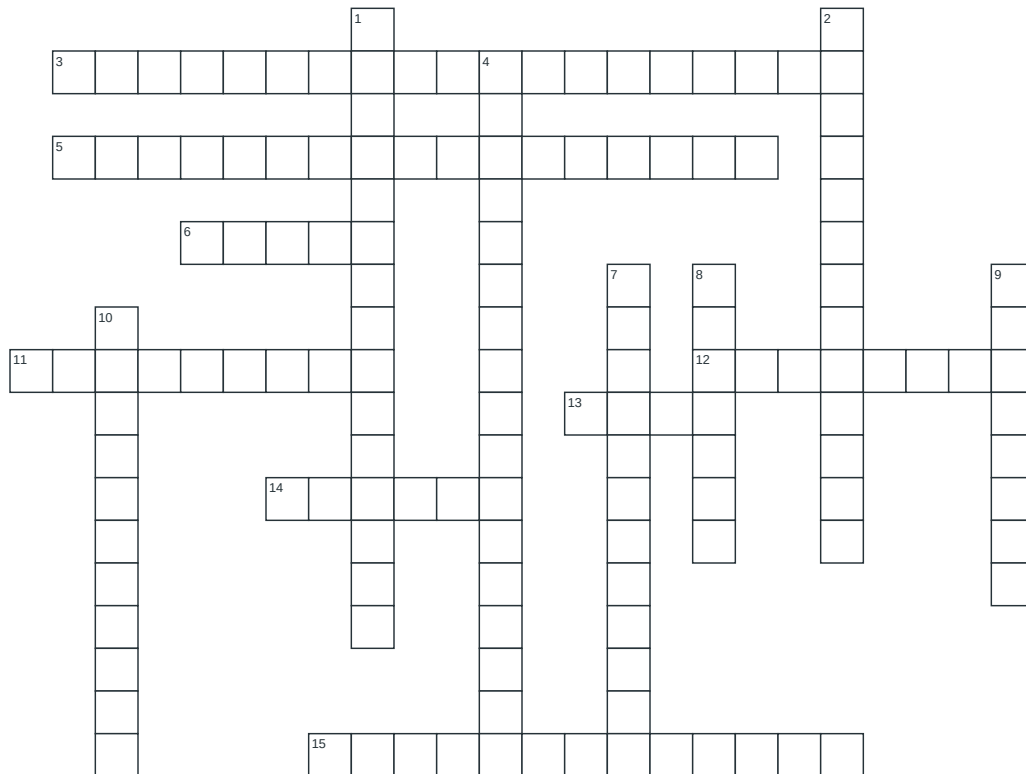
Genetics and Inheritance Crossword

Medium | 15 clues | Student Worksheet

Name: _____

Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.



ACROSS

3. Inheritance pattern in which a heterozygote has an intermediate phenotype
5. Inheritance pattern in which one allele determines the heterozygote phenotype.
6. Position of a gene or DNA sequence on a chromosome.
11. Observable characteristics resulting from genes and environmental effects
12. Change in a DNA sequence that can create a new allele.
13. DNA sequence that contributes to a functional product
14. One of two or more forms of a gene
15. Diagram used to show possible allele combinations in offspring

DOWN

1. Allele whose associated phenotype is masked in a heterozygote under complete dominance.
2. Fusion of gametes that combines genetic material from two parents.
4. Trait expressed in a heterozygote under a complete-dominance model
7. Having two different alleles at a particular gene location
8. Cells carry hereditary information from parents through sexual reproduction
9. Genetic makeup of an organism at one or more gene locations
10. Separation of paired alleles during gamete formation

Genetics and Inheritance Crossword

Medium | 15 clues | Teacher Answer Key

TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



ACROSS

3. Incomplete Dominance
5. Complete dominance
6. Locus
11. Phenotype
12. Mutation
13. Gene
14. Allele
15. Punnett Square

DOWN

1. Recessive allele
2. Fertilization
4. Dominant Phenotype
7. Heterozygous
8. Gametes
9. Genotype
10. Segregation

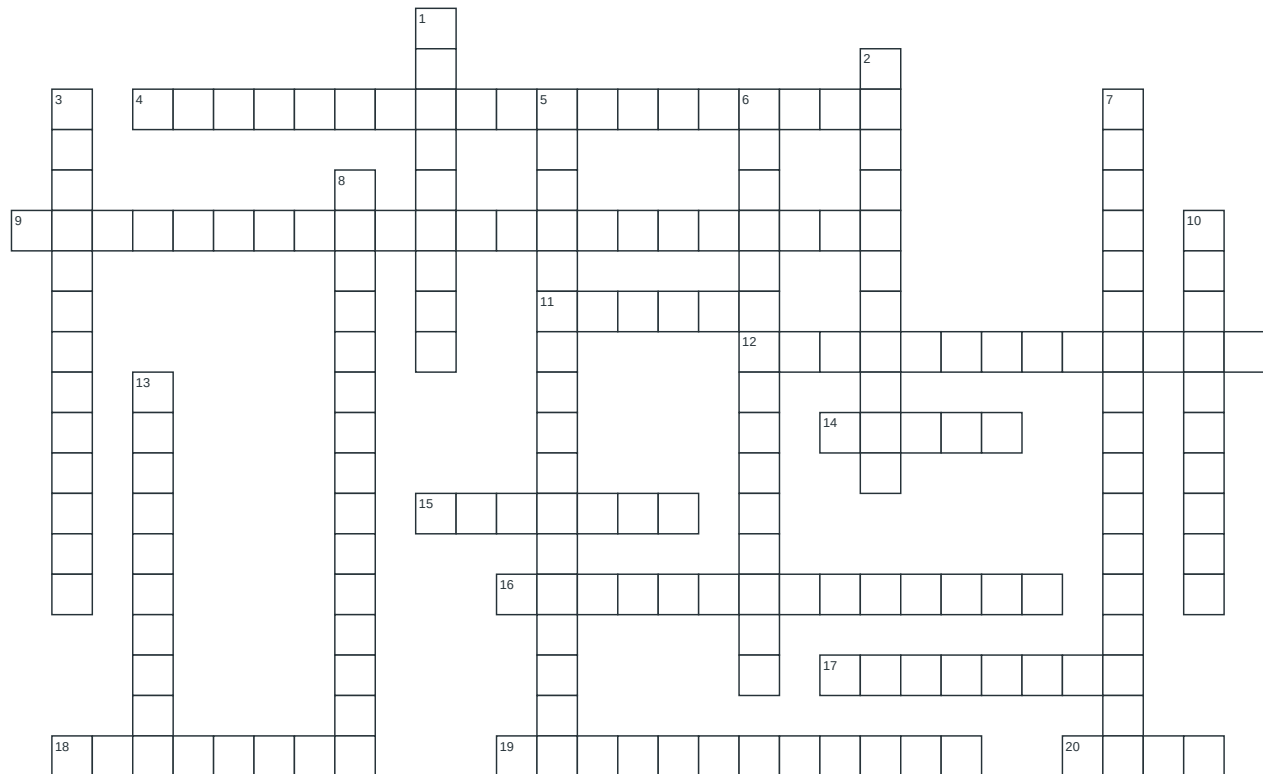
Genetics and Inheritance Crossword

Hard | 20 clues | Student Worksheet

Name: _____

Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.



ACROSS

4. Inheritance pattern in which a heterozygote has an intermediate phenotype
9. Effect of conditions such as nutrition on how a trait develops.
11. One of two or more forms of a gene
12. Fusion of gametes that combines genetic material from two parents.
14. Position of a gene or DNA sequence on a chromosome.
15. Cells carry hereditary information from parents through sexual reproduction
16. Characteristic influenced by alleles at multiple genes.
17. Change in a DNA sequence that can create a new allele.
18. Genetic makeup of an organism at one or more gene locations
19. Having two different alleles at a particular gene location
20. DNA sequence that contributes to a functional product

DOWN

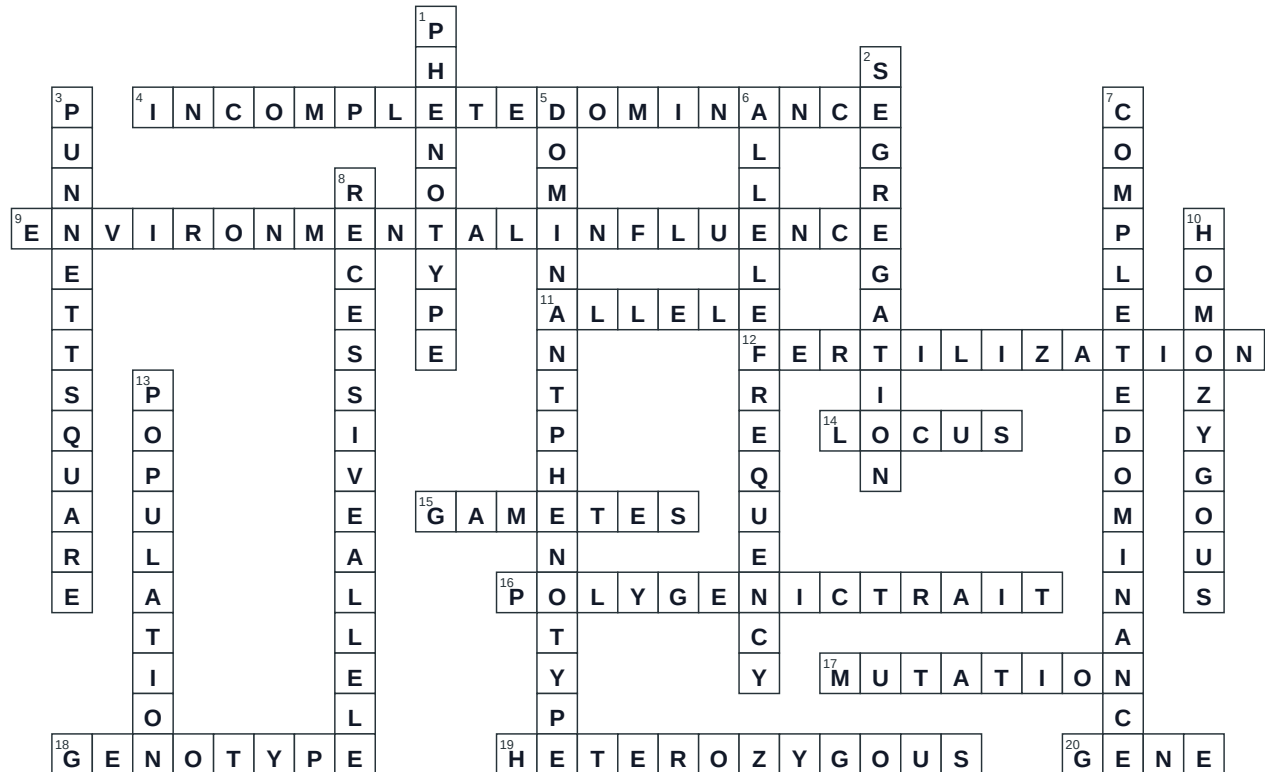
1. Observable characteristics resulting from genes and environmental effects
2. Separation of paired alleles during gamete formation
3. Diagram used to show possible allele combinations in offspring
5. Trait expressed in a heterozygote under a complete-dominance model
6. Proportion of gene copies in a population that carry a particular allele.
7. Inheritance pattern in which one allele determines the heterozygote phenotype.
8. Allele whose associated phenotype is masked in a heterozygote under complete dominance.
10. Having two copies of the same allele at a gene location.
13. Members of one species living in the same area at the same time.

Genetics and Inheritance Crossword

Hard | 20 clues | Teacher Answer Key

TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



ACROSS

4. Incomplete Dominance
9. Environmental influence
11. Allele
12. Fertilization
14. Locus
15. Gametes
16. Polygenic trait
17. Mutation
18. Genotype
19. Heterozygous
20. Gene

DOWN

1. Phenotype
2. Segregation
3. Punnett Square
5. Dominant Phenotype
6. Allele frequency
7. Complete dominance
8. Recessive allele
10. Homozygous
13. Population