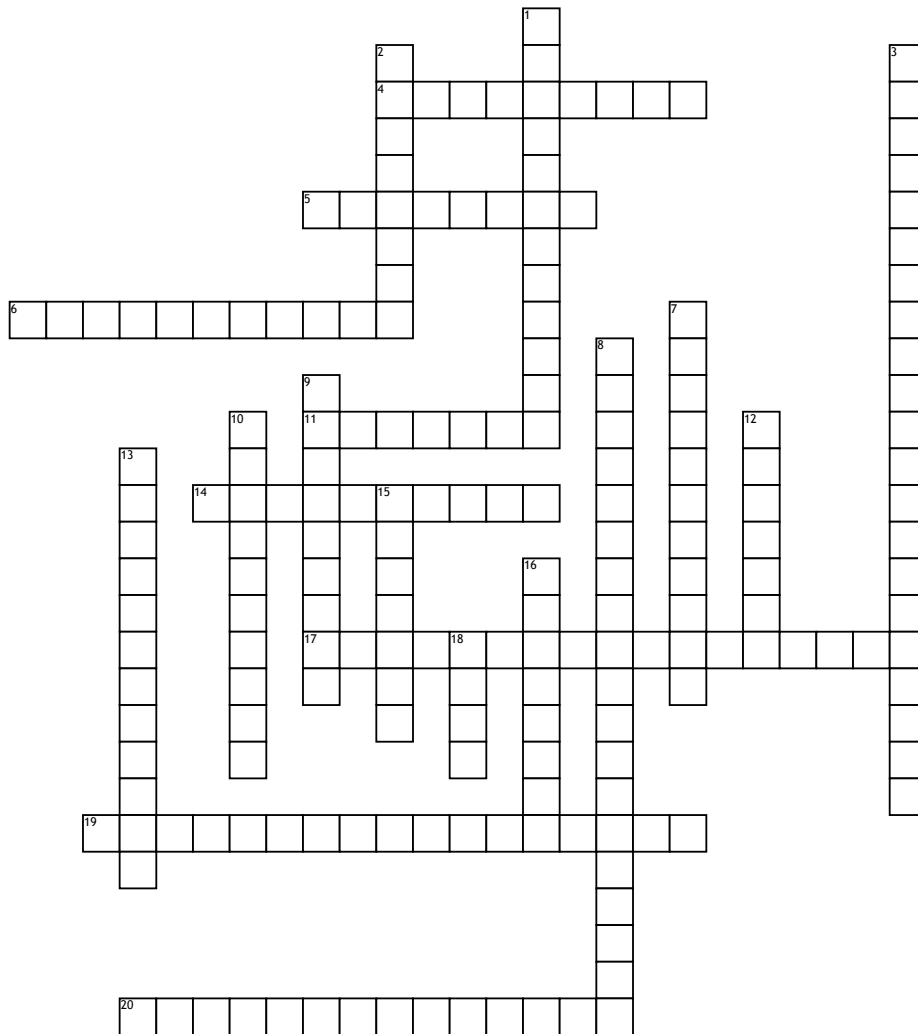


Name: _____ Date: _____ Period: _____

Genetics



Across

4. When one gene depends on the other to be expressed
 5. An alteration of genetic material such that a new variation is produced
 6. Thread-like, gene-carrying bodies in the nucleus of a cell
 11. Offspring that are the result of mating between two genetically different kinds of parents
 14. What build up proteins
 17. How many genes coding for one trait

19. Inheritance patterns which can be explained by simple rules of dominance and recessiveness of genes

20. An allele that masks the presence of a recessive allele in the phenotype

Down

1. Refers to pair of genes that one is dominant and one is recessive
 2. The study of gene structure and action and the patterns of inheritance of traits from parent to offspring
 3. Chromosomes that are paired during the production of sex cells in meiosis
 7. Alleles work together

8. Not completely expressed

9. What is seen

10. Alternative form of a given gene

12. An individual who is heterozygous for a trait that only shows up in the phenotype of those who are homozygous recessive

13. Known for creating Mendelian Traits

15. Alternate form of a gene

16. What is passed down from parents

18. Units of inheritance usually occurring at specific locations, or loci, on a chromosome

Word Bank

Phenotype

Polygenic Traits

Amino Acids

Mendelian Genetics

Heterozygous

Gregor Mendel

Gene

Homologous Chromosomes

Dominant Allele

Hybrids

Chromosomes

Codominance

Carrier

Genotype

Epistasis

Genetics

Homozygous

Mutation

Incomplete Dominance

Alleles