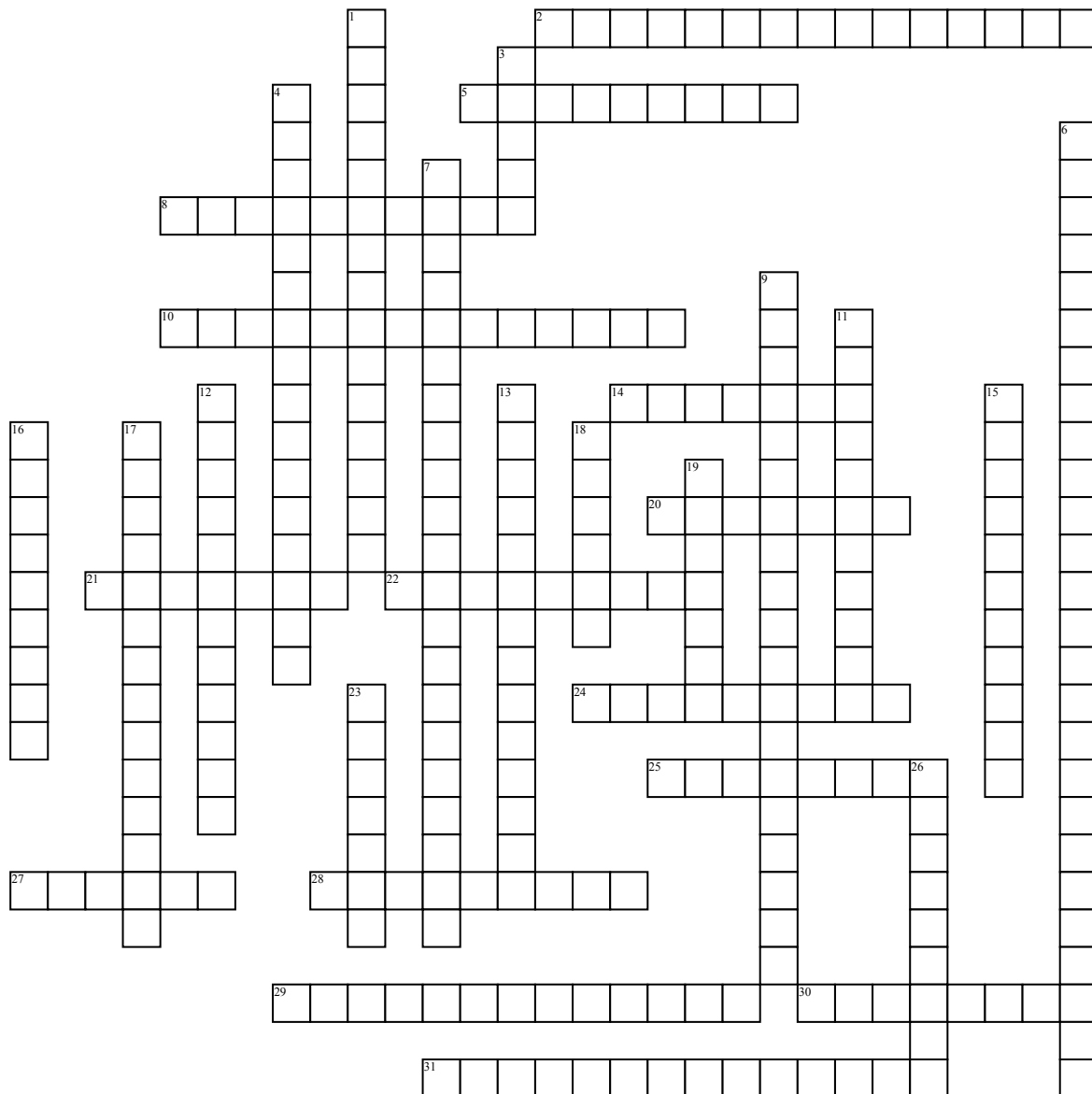


Name: _____

Date: _____

Genetics Crossword Puzzle



Across

2. traits that are controlled by a group of nonallelic genes
 5. ancestral lines or charts depicting the lineage or descent of an individual
 8. the genotype of an individual with 2 recessive of dominant alleles
 10. genes that are closer together on the chromosome are more likely to be inherited together
 14. containing two complete sets of chromosomes, one from each parent
 20. having a single set of unpaired chromosomes
 21. Cell division process that forms gametes
 22. determines the physical appearance of an individual
 24. the exchange of chromosome segments between homologous chromosomes
 25. the more powerful gene
 27. one of a pair of genes that appear at a particular location on a particular chromosome and control the same characteristic

Down

28. the less powerful gene
 29. uses a Punnett Square to observe the possible outcomes and probabilities for two traits
 30. genetic makeup of an individual
 31. determine sex or gender
 1. uses a Punnett Square to observe the possible outcomes and probabilities for one trait
 3. a unit of heredity that is transferred from a parent to offspring and is held to determine some characteristic of the offspring
 4. Organisms inherit two copies of each gene, one from each parent. Organisms donate only one copy of each gene in their gametes
 6. allele pairs separate independently of each other during gamete formation
 7. pairs of chromosomes that have similar genetic information
 9. the phenotype is somewhere between the two traits
 11. both traits are fully expressed

12. the genotype of an individual with one dominant and one recessive allele
 13. genes located in the sex chromosome
 15. the extent to which an event is likely to occur
 16. determine all traits except gender
 17. a grid system that is used to predict all possible genotypes resulting from a cross
 18. genetically determined characteristics
 19. sex cells
 23. a person or other organism that has inherited a recessive allele for a genetic trait or mutation but does not display that trait or show symptoms of the disease
 26. a genetic cross between a homozygous recessive individual and a corresponding suspected heterozygote to determine the genotype of the latter