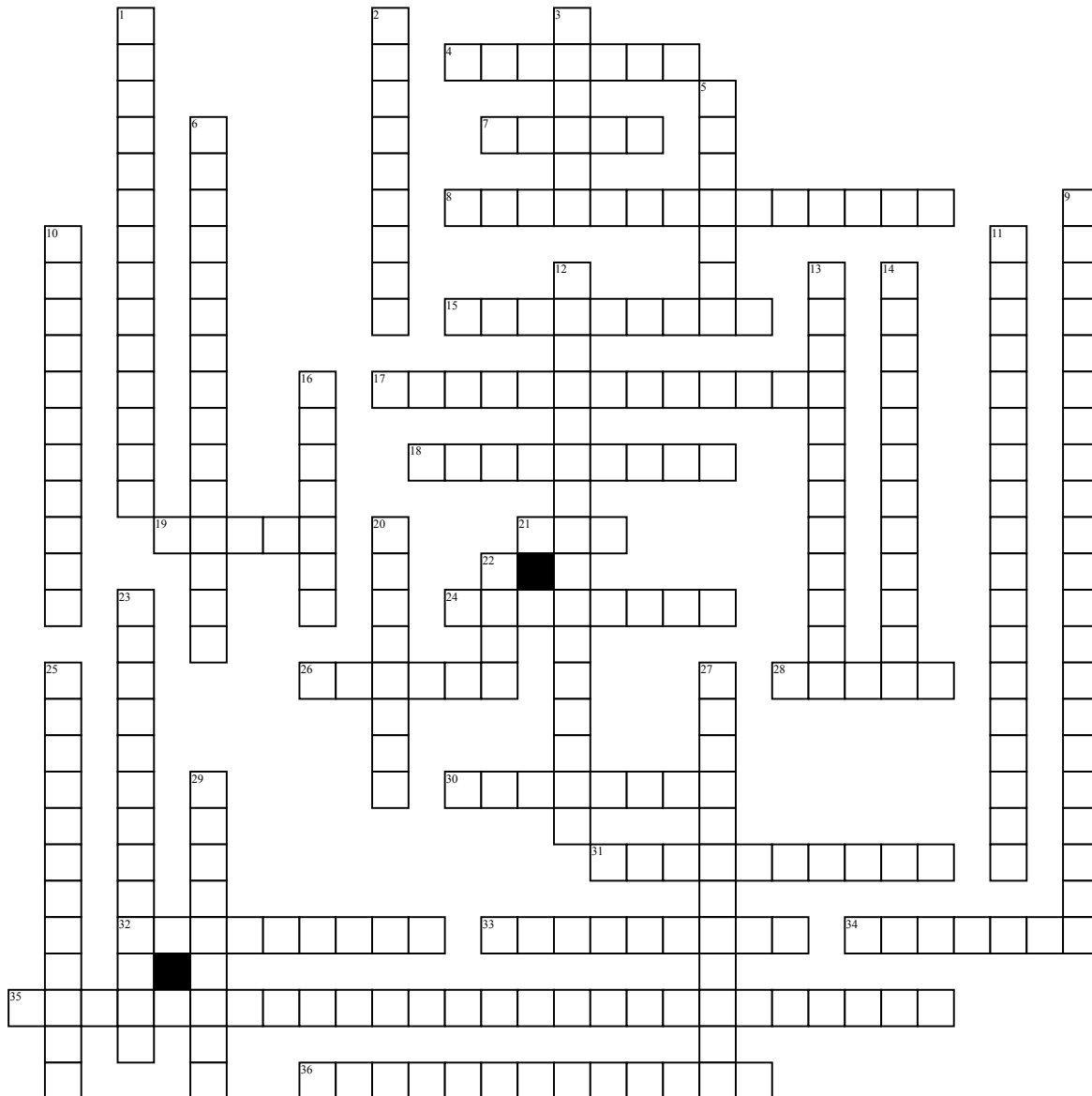


Name: _____ Date: _____ Period: _____

Genetics



Across

4. cell has only one copy of each chromosome
 7. male gamete
 8. genes closer together on the chromosome are more likely to be inherited together
 15. immature cells that will be recycled by the body
 17. gamete production; includes meiosis and maturation process
 18. determines all traits except gender
 19. characteristic inherited
 21. female gamete
 24. study of the heredity patterns and variation of organisms
 26. all of an organism's genetic material
 28. mating of 2 organisms
 30. collection of all of an organism's genetic information that codes for traits
 31. characteristic of having two of the same alleles
 32. cross b/w an organism with unknown genotype and an organism with a recessive phenotype

Down

33. physical appearance; expression of genes
 34. cell division process that forms gametes or haploids
 35. allele pairs separate independently of each other during gamete formation or traits are inherited together
 36. cross b/w organisms involving 2 pairs of contrasting traits
 1. determines the sex or gender of individual
 2. type of organisms whose ancestors are genetically uniform
 3. representation of a gene
 5. cell has two copies of each chromosome; one from the mother, and one from the father
 6. use of punnet square observing the possible and probabilities for one trait
 9. two chromosomes that have the same genetic information
 10. likelihood a particular event will occur

11. fusion of 2 gametes resulting in offspring that are a genetic mixture of both parents
 12. organisms inherit 2 copies of each gene, one from each parent; organisms donate only one copy of each gene, segregate or separate, during gamete formation
 13. exchange of chromosome segments b/w homologous chromosomes
 14. body cells; make up most of your body tissues and organs
 16. sex cells
 20. allele expressed when 2 different alleles are present in an organism's genotype
 22. specific region of DNA that codes for a particular protein
 23. fusion of egg and sperm
 25. grid system used to predict all possible genotypes resulting from a cross
 27. characteristic of having two different alleles
 29. allele that isn't expressed unless 2 copies are present in an organism's genotype