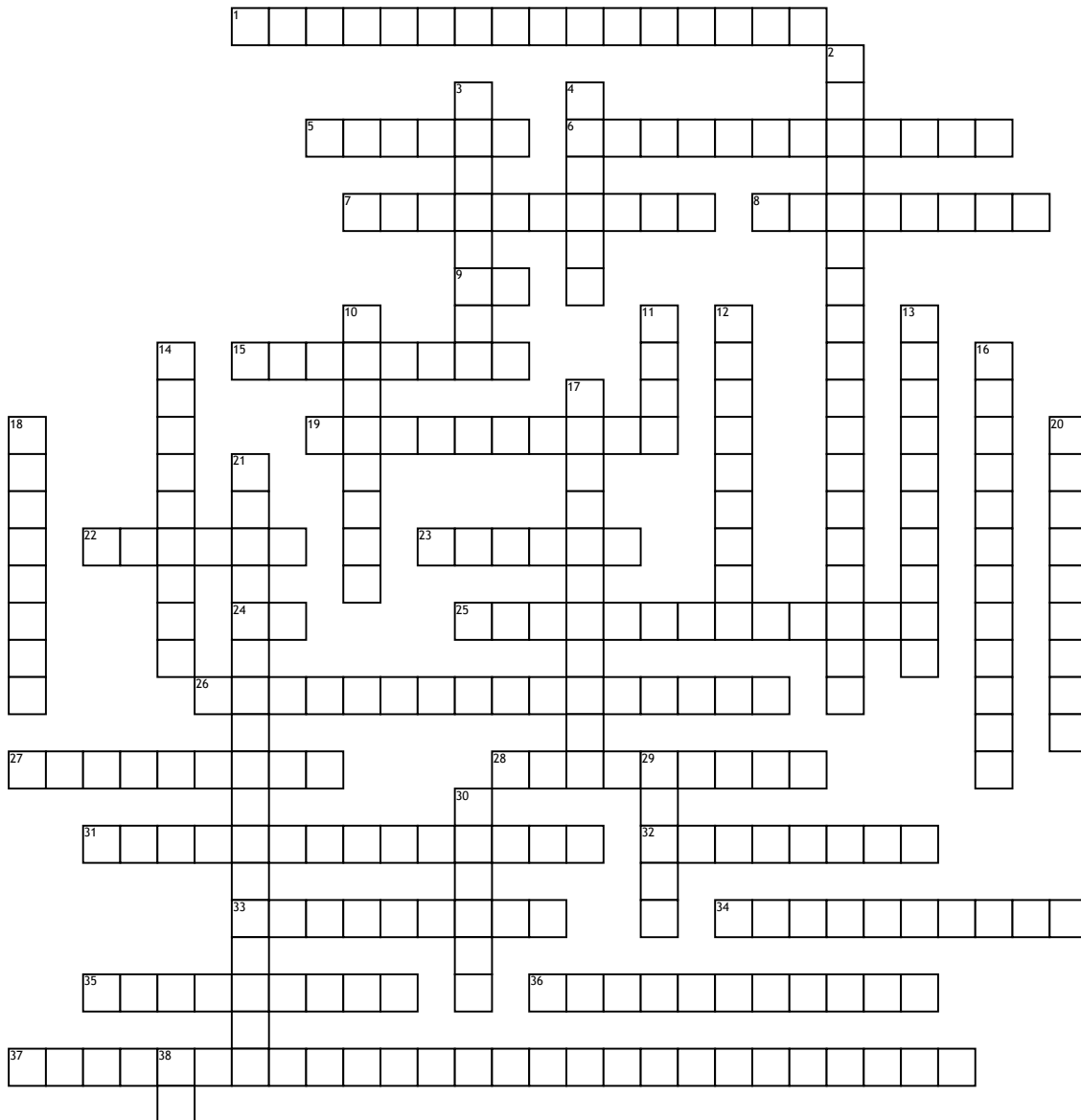


Name: _____

Date: _____

Genetics



Across

1. Law that states that allele pairs separate
5. Fertilizes plants
6. Contains pigment hemoglobin
7. Proteins that identify foreigners in the body
8. Phenotypically expressed in heterozygotes
9. Protein in blood that is inherited
15. Organisms with identical alleles
19. Genotype with two identical alleles
22. Alternate forms of a gene
23. Carries blood components through body
24. First generation
25. Diagram to predict outcome of offspring
26. Using another's pollen to fertilize

27. Masked by dominant gene
28. Observable characteristics
31. Failure of sister chromatids to separate
32. Stimulates immune system to make antibodies
33. Chromosomes not related to sex
34. Breeding of organisms that differ in a single given trait
35. Genes carried by sex chromosomes
36. One gene affects 2 or more genes
37. Law that states that one gene does not affect another gene

Down

2. When one allele is not completely expressed
3. Shows what traits are dominant or recessive

4. Scientist who developed laws of inheritance
10. Genetic makeup of an organism
11. Mendel's object for his experiments
12. One gene affects another
13. White blood cells
14. Appears in blood and stops bleeding
16. Genotype with two different alleles
17. When both alleles are present because they are equally dominant
18. Breeding of organisms with two different traits that are heterozygous
20. Used to determine genotype
21. Using own pollen to fertilize
29. Female reproductive organ
30. Male fertilizing organ in a flower
38. Second generation