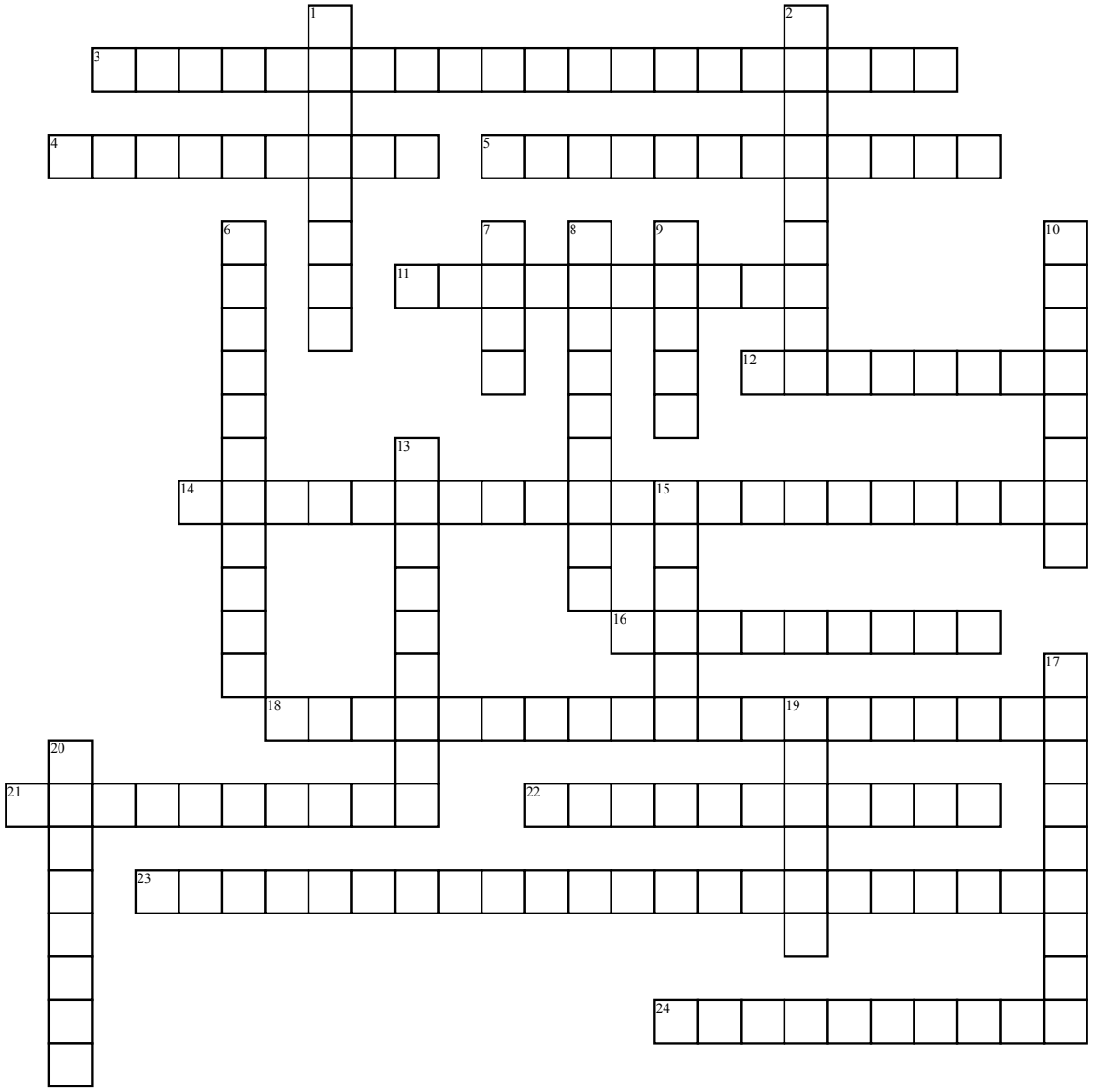
Name: _____ Date: _____ Period: _____

Genetics



Across

3. two forms of alleles for each trait- 1 dominant, 1 recessive
4. The physical appearance an organism has based on the expression of its genes
5. An organism that has 2 different alleles for a trait (Bb)
11. One gene controls 2 or more traits
12. DD or Dd or dd; the genes an organism has
14. Random alignment of homologous chromosome pairs at the equator
16. A trait that will appear in offspring with 2 copies of the gene
18. An organism that is heterozygous will have an intermediate phenotype
21. An organism that has 2 identical alleles for a trait
22. Neither allele is dominant or recessive
23. Genes are separated during formation of gametes. Each gamete only has 1 copy
24. Follows the inheritance of 1 trait

Down

1. Follows the inheritance of 2 traits
2. A chart of all the chromosomes of an organism
6. All alleles stay on the same chromosomes when they segregate, crossing over can switch alleles genes near the middle of the chromosome, tend not to cross over
7. Section of DNA that codes for a protein & can influence a trait
8. Two or more genes control one trait
9. An observable, physical characteristic of an organism
10. Passing of traits from parent to offspring
13. Determines if an organism is homozygous dominant or heterozygous
15. A version of a specific gene
17. Gene mutation located on either the x or y chromosome
19. Father of genetics
20. A trait that will appear in offspring with only 1 copy of the gene and can mask the recessive trait