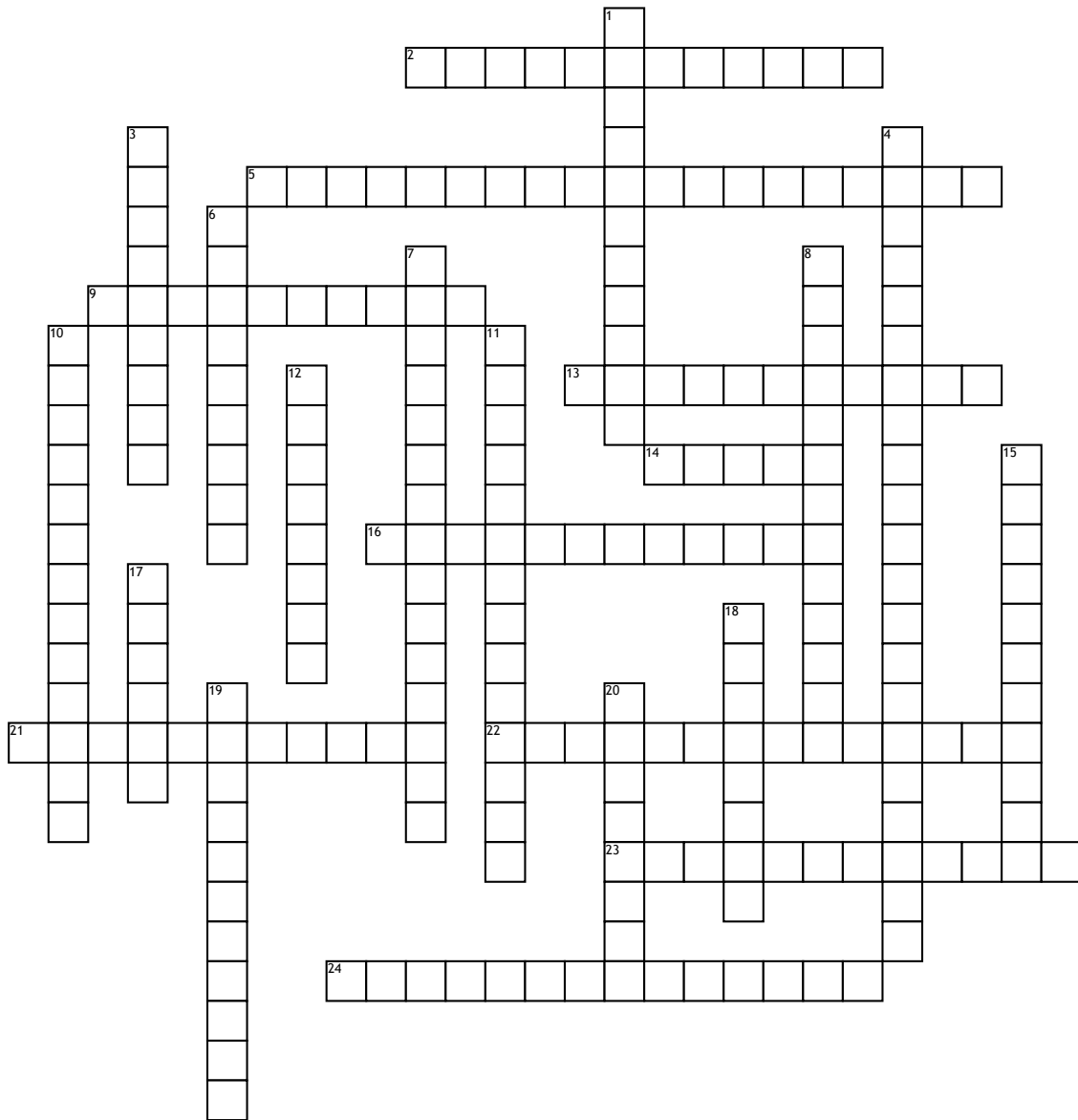


genetics



Across

- 2. The filial generation comprised of offspring(s) resulting from a cross between two individuals from parental generation
- 5. both alleles at a gene locus are partially expressed and which often produces an intermediate phenotype.
- 9. having two identical alleles for a particular gene
- 13. situation in which the phenotypes produced by both alleles.
- 14. specific characteristic of an individual
- 16. having two different alleles for a particular gene
- 21. contain 23 chromosomes
- 22. A genetic trait that results from the expression of the two recessive alleles.

23. that the parents will also pass down a specific phenotypic trait to their offspring

24. A trait associated with a gene that is carried only by the male or female parent.

Down

- 1. separation of alleles during gamete formation.
- 3. physical characteristics of an organism
- 4. one of Mendel's principles that states that genes for different traits can segregate.
- 6. Any of the four main types into which human blood is divided: A, B, AB, and O
- 7. Three or more alternative forms of a gene (alleles) that can occupy the same locus

8. diagram that is used to predict an outcome of a particular cross or breeding experiment

10. trait that will appear in the offspring if one of the parents contributes it.

11. trait controlled by two or more genes

12. genetic cross involving two genes each with two different alleles

15. The first set of parents crossed in which their genotype is the basis for predicting the genotype of their offspring

17. one of a number of different forms of a gene

18. chart that shows the presence or absence of a trait according to the relationships within a family across several generations

19. contains two sets of chromosomes

20. genetic makeup of an organism