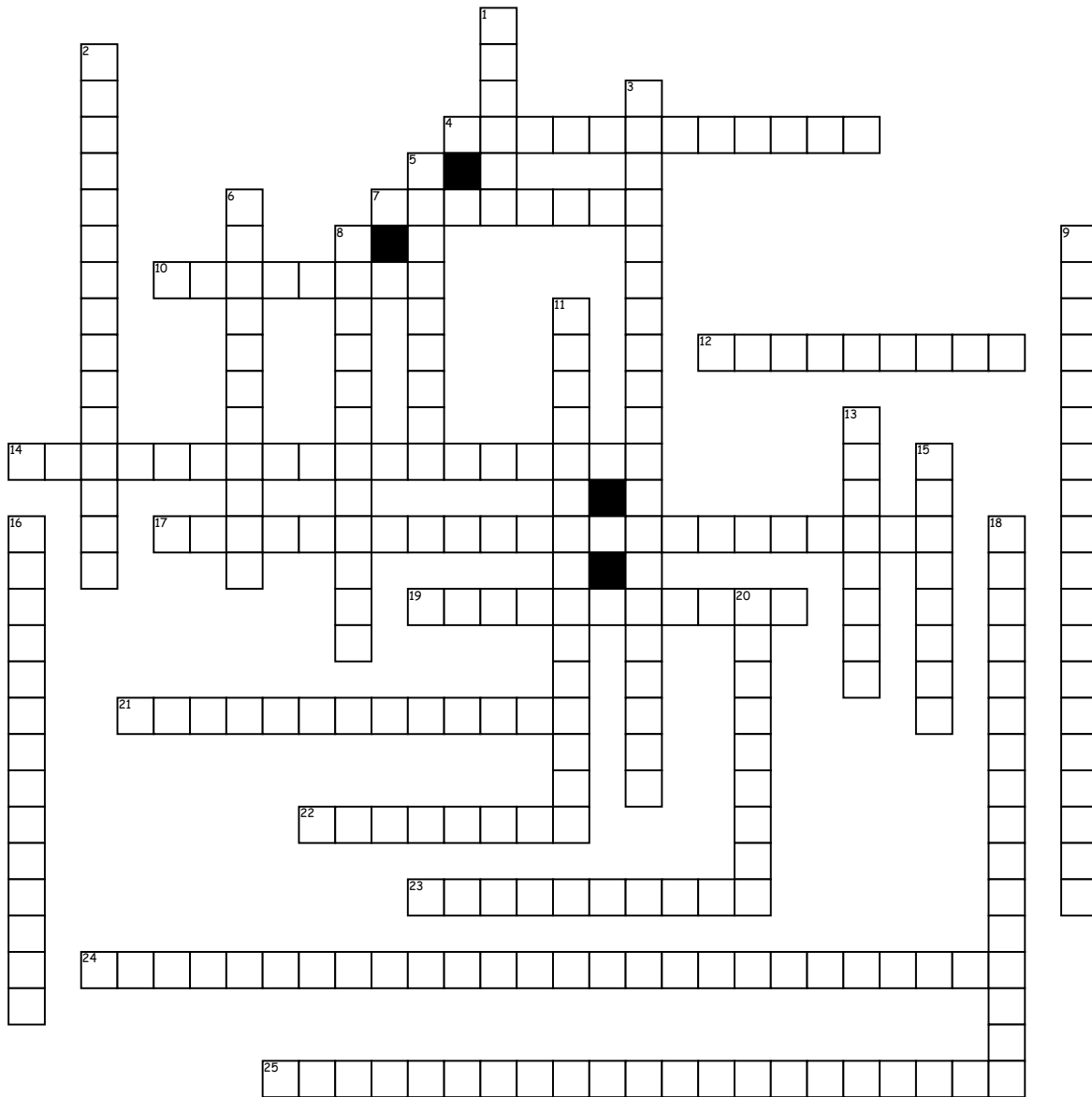


Chapter 18 vocab: Genetics



Across

- 4. two different alleles
- 7. passing of characters from parents to offspring
- 10. family history that shows how a trait is inherited over several generations
- 12. physical appearance
- 14. first two individuals crossed in a breeding experiment
- 17. offspring of the first filial (F1) generation
- 19. likelihood a specific event will occur
- 21. diagram that predicts the outcome of a genetic cross
- 22. branch of biology that focuses on heredity
- 23. two identical alleles

24. second law of heredity; states that the alleles of different genes separate independently of one another during gamete formation

25. offspring of the P generation

Down

- 1. different versions of a gene
- 2. cross that involves one pair of contrasting traits
- 3. type of inheritance in which several genes influence a character
- 5. trait that is not expressed when the dominant form of the gene is present
- 6. two dominant alleles are expressed at the same time
- 8. species which self-pollinate for several generations to ensure all offspring are identical

9. type of inheritance in which a new phenotype occurs that is intermediate between the dominant and recessive phenotypes

11. genes which have 3 or more alleles

13. trait that is always expressed when the gene is present

15. set of alleles an individual has

16. trait whose allele is located on the x or y chromosome

18. first law of heredity; state the two alleles for a character separate when gametes are formed

20. cross between an individual whose phenotype is dominant, but whose genotype is unknown with a homozygous recessive individual