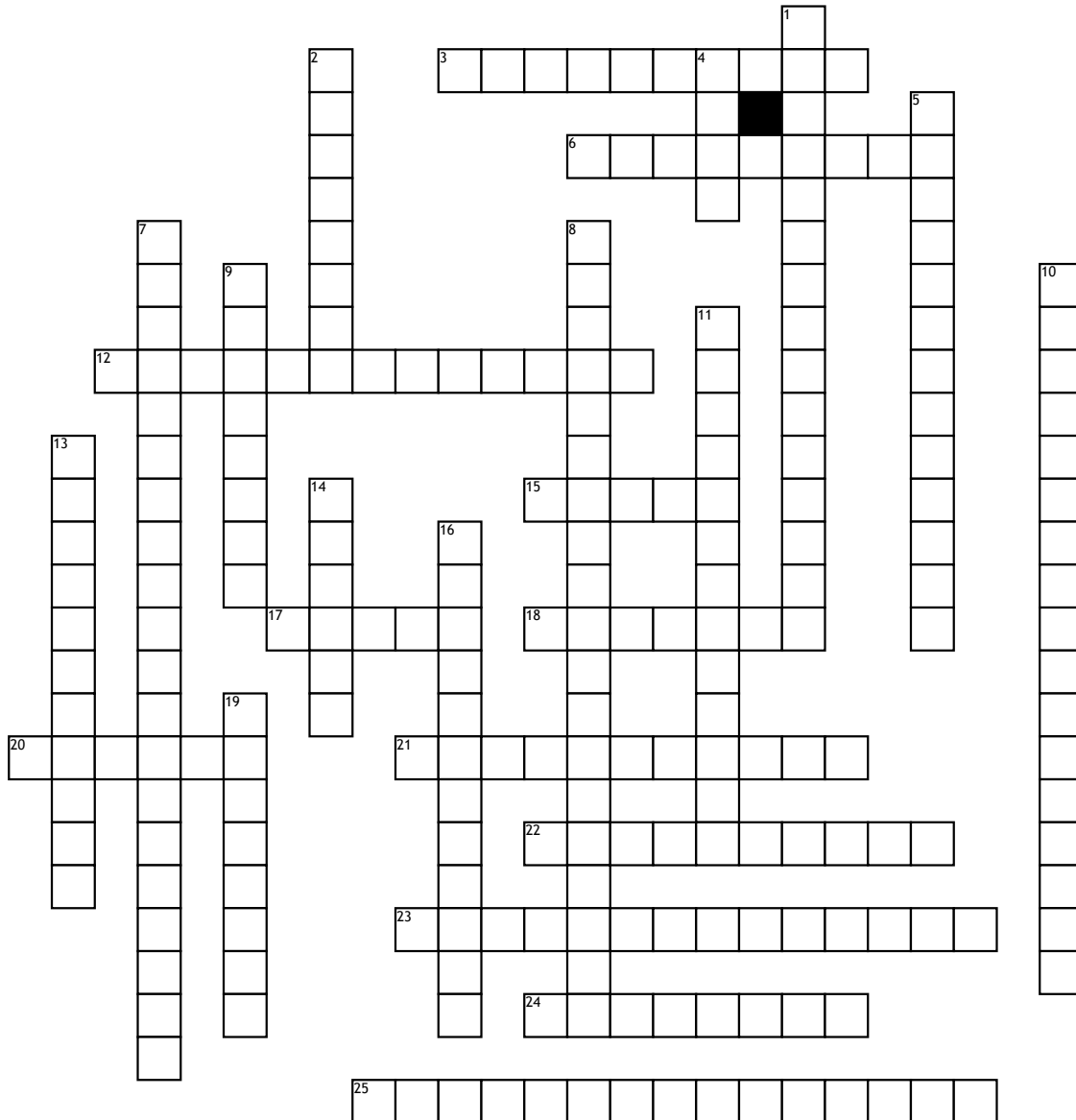


Name: _____

Date: _____

Chapter 12 Genetics



Across

3. having two identical alleles for a particular gene
 6. an organisms physical appearance, or visible traits
 12. a selective breeding method that involves crossing different individuals to bring together the best traits from both parents
 15. an organism that is genetically identical to the organism from which it was produced
 17. specific characteristic that an organism can pass to its offspring through its genes
 18. the process that occurs in the formation of sex cells by which the number of chromosomes is reduced by half
 20. the different forms of a gene
 21. a situation in which both alleles for a gene are expressed equally

22. a selective breeding method in which two individuals with similar sets of alleles are crossed
 23. an allele whose trait always shows up in the organism when the allele is present
 24. an organisms genetic makeup, or allele combinations
 25. an allele that is hidden whenever the dominant allele is present
Down
 1. three or more possible alleles of a gene that determine a trait
 2. an offspring of many generations that has the same form of a trait
 4. a sequence of DNA that determines a trait and is passed from parent to offspring
 5. the process in sexual reproduction in which an egg cell and a sperm cell join to form a new cell

7. the inheritance of traits that are controlled by two or more genes such as height
 8. a situation in which one allele is not completely dominant over another allele
 9. the passing of traits from parent to offspring
 10. method of breeding that allows only those organisms with desired traits to produce the next generation
 11. chart that show all the possible combinations of alleles that can result from a genetic cross
 13. a number that describes how likely it is that a particular event will occur
 14. an offspring of crosses that has two different alleles for a trait
 16. having two different alleles for a particular gene
 19. the scientific study of heredity