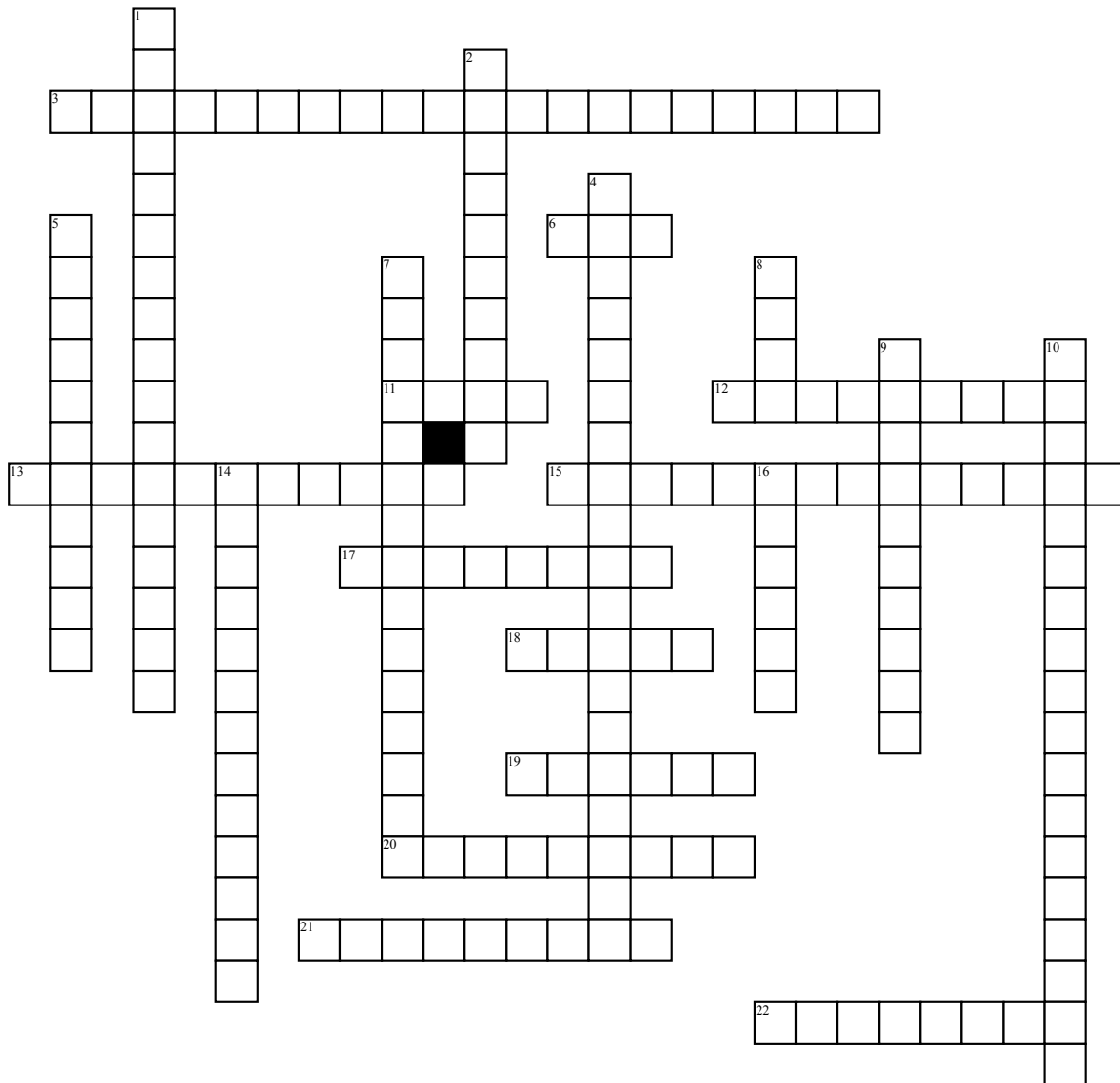


Modern Genetics



Across

3. is pattern of a trait that is controlled by two or more genes
 6. ribonucleic acid
 11. carries amino acids o the ribosomes
 12. photograph of a persons chromosome arranged in pairs
 13. involves inserting copies of a gene directly into a persons cell
 15. 23rd pair of chromosomes in a human
 17. diagram or family tree
 18. organism that has exactly the same genes as another

19. all the DNA in one cell of an organism
 20. traits controlled by genes located on the sex chromosomes

21. first 22 pairs of homologous chromosomes
 22. any change in a gene

Down

1. process of selecting organisms with desired traits
 2. involves crossing 2 individuals that have similar characteristics
 4. when neither allele is completely dominate

5. project to identify the DNA sequence
 7. when there are more than 2 alleles for a genetic trait

8. copies of coded messages from DNA
 9. when both alleles show equally

10. genes from one generation are transferred into DNA

14. breeders cross 2 genetically different individuals in hopes of offspring having best traits from both parents
 16. sugar in RNA