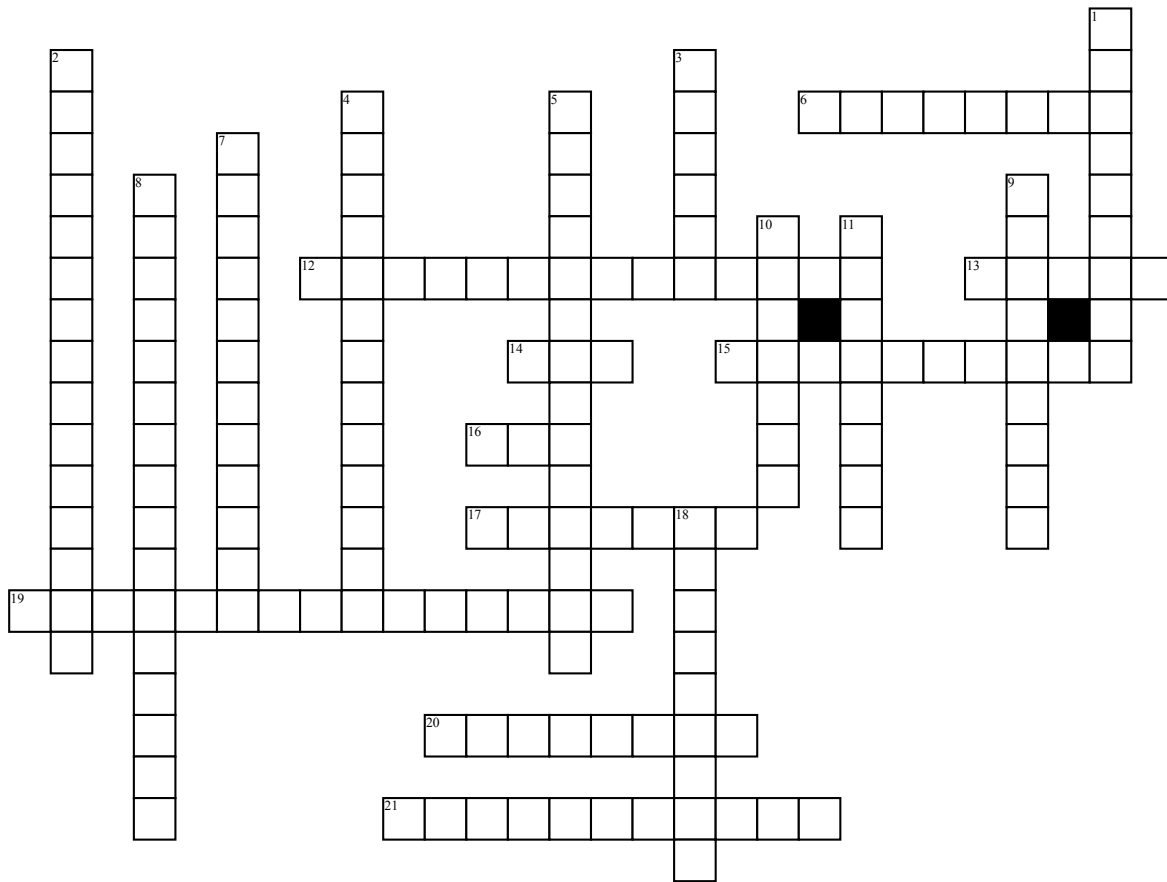


Name: _____

Genetics



Across

6. bred from parents of the same breed or variety
12. A trait associated with a gene that is carried only by the male or female parent
13. a unit of heredity that is transferred from a parent to offspring and is held to determine some characteristic of the offspring
14. the fundamental and distinctive characteristics or qualities of someone or something
15. When an individual has two of the same allele, whether dominant or recessive
16. any of a class of single-stranded molecules transcribed from DNA in the cell nucleus or in the mitochondrion or chloroplast
17. one of two or more alternative forms of a gene that arise by mutation and are found at the same place on a chromosome

19. an allele that produces its characteristic phenotype only when its paired allele is identical
20. the passing on of physical or mental characteristics genetically from one generation to another
21. a threadlike structure of nucleic acids and protein found in the nucleus of most living cells

Down

1. the record of descent of an organism, showing it to be purebred
2. A disease or condition caused by an absent or defective gene or by a chromosomal aberration
3. the offspring of two plants or animals of different species or varieties
4. a diagram that is used to predict an outcome of a particular cross or breeding experiment

5. an allele that produces the same phenotype whether its paired allele is identical or different
7. one is dominant and one is recessive
8. the process whereby organisms better adapted to their environment tend to survive and produce more offspring
9. the set of observable characteristics of an individual resulting from the interaction of its genotype with the environment
10. a type of cell division that results in four daughter cells each with half the number of chromosomes of the parent cell
11. the genetic constitution of an individual organism
18. the process by which different kinds of living organisms are thought to have developed and diversified