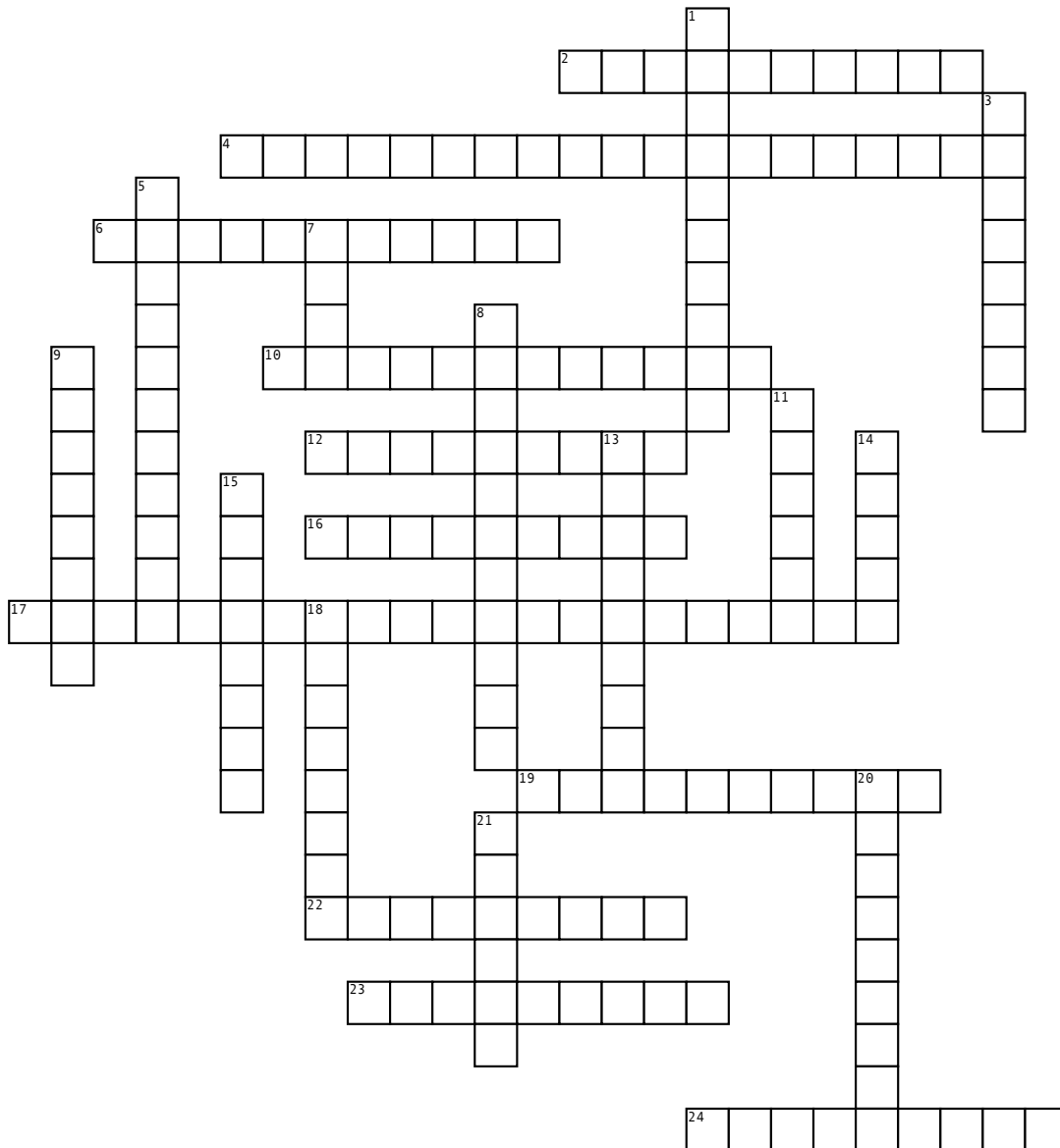


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# Genetics Crossword



## Across

2. Follows the inheritance of one trait.
4. Both alleles determine the phenotype of an organism.
6. The principle where two factors are separated during formation of gametes. Each gamete only has one copy.
10. Having dissimilar pairs of genes for any hereditary characteristic.
12. The number and appearance of chromosomes in the nucleus of a cell.
16. Gene mutation located on either the X or Y chromosome.
17. The random alignment of the pairs of homologous chromosomes at the equator during metaphase 1.
19. One gene controls two or more traits.

22. The principle where there are two forms of a gene for each trait; one dominant allele and one recessive.
23. Type of trait that can be carried in a person's genes without ever appearing.
24. Used to determine if an organism is homozygous dominant or heterozygous.

## Down

1. Having identical pairs of genes for any given pair of hereditary characteristics.
3. The genes an organism has.
5. Alleles stay on the same chromosome when separated.
7. The basic physical unit of heredity.
8. Neither allele is dominant or recessive. Both alleles are expressed when present.

9. One allele that masks the second allele.
11. Variant form of a given gene.
13. The physical appearance an organism has based on the expression of its genes.
14. A genetically determined characteristic.
15. The passing of a characteristic genetically from one generation to another.
18. Follows the inheritance of two traits.
20. Two or more genes control one trait.
21. Monk who studied inheritance of traits in peas; father of genetics.