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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Genetics Crossword Puzzle

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|  |  |  |  |  |  |  |  |  | 4  G | E | N | E | C | T | I | C | S |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  | 5  P |  |  |  | 6  C | L | O | N | E |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | R |  |  |  | T |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | 7  C | O | D | O | M | I | N | A | N | C | E |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 8  A |  | B |  |  |  | V |  |  |  |  |  | 9  G |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | L |  | A |  | 10  P | H | E | N | O | T | Y | P | E |  |  | 11  H |  | 12  G |  |  |  |  |  |  |
|  |  |  |  |  |  | L |  | B |  |  |  | B |  |  |  |  |  | N |  |  | O |  | E |  |  |  |  |  |  |
|  |  |  |  |  |  | E |  | I |  | 13  K | A | R | Y | O | T | Y | P | E |  |  | M |  | N |  |  |  |  |  |  |
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|  |  |  |  |  | 14  P | E | D | I | G | R | E | E |  | 15  H | Y | B | R | I | D | I | Z | A | T | I | O | N |  |  |  |
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|  |  |  | 16  G | E | N | O | T | Y | P | E |  | 17  I | N | B | R | E | E | D | I | N | G |  | E |  |  |  |  |  |  |
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|  |  |  |  |  | 18  H | E | T | R | O | Z | Y | G | O | U | S |  |  | S |  |  | U |  | A |  |  |  |  |  |  |
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|  |  |  |  |  | 20  M | U | L | T | I | P | L | E | A | L | L | E | L | E | S |  |  |  |  |  |  |  |  |  |  |
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| **Across**  **2.** A change in a gene or chromosome  **4.** The science behind heredity  **6.** An organism that has the same genes as the organism it was produced from  **7.** When two alleles are equal and present in both the phenotype and genotype of an organism  **10.** A person's physical appearance  **13.** A picture of all the chromosomes in a cell  **14.** A chart that tracks which members of a family have a particular trait  **15.** Breeding two individuals with different traits  **16.** A person's genetic makeup  **17.** Breeding two individuals with similar traits  **18.** Different alleles fo a single trait  **19.** A chart that shows all the possible combinations of two genotypes  **20.** A trait controlled by three or more alleles is said to have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | **Down**  **1.** The process that produces 4 sex cells  **3.** Choosing two organisms with desired traits to be bred  **5.** The chance of something occuring  **8.** Factors that control a trait  **9.** A genetic problem caused by an issue in an organism's genes  **11.** Same alleles for a single trait  **12.** Moving healthy genes into cells to replace missing or abnormal genes in order to correct a genetic disorder |