Modern Genetics

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|  |  |  |  |  | 1S |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  | 3P |  O |  L |  Y |  G |  E |  N |  I |  C |  I |  N |  H |  E |  R |  I |  T |  A |  N |  C |  E |  |  |  |  |  |  |  |
|  |  |  |  |  |  E |  |  |  |  |  |  |  |  B |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  C |  |  |  |  |  |  |  |  R |  |  | 4I |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | 5H |  |  T |  |  |  |  |  |  |  |  E |  | 6R |  N |  A |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  U |  |  I |  |  |  |  |  | 7M |  |  E |  |  |  C |  |  |  | 8M |  |  |  |  |  |  |  |  |  |
|  |  |  |  M |  |  V |  |  |  |  |  |  U |  |  D |  |  |  O |  |  |  |  R |  |  |  |  |  |  |  |  |  |
|  |  |  |  A |  |  E |  |  |  |  |  |  L |  |  I |  |  |  M |  |  |  |  N |  |  | 9C |  |  |  | 10G |  |  |
|  |  |  |  N |  |  B |  |  |  |  |  | 11T |  R |  N |  A |  |  P |  |  | 12K |  A |  R |  Y |  O |  T |  Y |  P |  E |  |  |
|  |  |  |  G |  |  R |  |  |  |  |  |  I |  |  G |  |  |  L |  |  |  |  |  |  |  D |  |  |  |  N |  |  |
|  |  | 13G |  E |  N |  E |  T | 14H |  E |  R |  A |  P |  Y |  |  | 15S |  E |  X |  C |  H | 16R |  O |  M |  O |  S |  O |  M |  E |  S |  |
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|  |  |  |  O |  |  D |  |  B |  |  | 17P |  E |  D |  I |  G |  R |  E |  E |  |  |  B |  |  |  I |  |  |  |  I |  |  |
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| **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 |