Modern Genetics

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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 |