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 |