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Unit 8 Genetics Crossword

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| **Across**  **3.** refers to a pair of genes where one is dominant and one is recessive  **6.** relating to or denoting heritable characteristics controlled by genes that are expressed in offspring only when inherited from both parent  **8.** When an individual has two of the same allele, whether dominant or recessive  **10.** ancestral line or chart depicting the lineage or descent of an individual  **13.** a form of intermediate inheritance in which one allele for a specific trait is not completely expressed over its paired allele  **14.**  A condition in which both alleles of a gene pair in a heterozygote are fully expressed  **16.** diagram that is used to predict an outcome of a particular cross or breeding experiment  **17.** set of genes in our DNA which is responsible for a particular trait. The phenotype is the physical expression | **Down**  **1.**  the study of heredity and the variation of inherited characteristics.  **2.** trait associated with a gene that is carried only by the male or female parent  **4.** is a mating between two individuals with different alleles at one genetic locus of interest  **5.** one genetic mechanism giving us a continuous range of possibilities  **7.** the passing on of physical or mental characteristics genetically from one generation to another.  **9.** An allele or a gene that is expressed in an organism's phenotype  **11.** the set of observable characteristics of an individual resulting from the interaction of its genotype with the environment.  **12.** one of two or more alternative forms of a gene that arise by mutation and are found at the same place on a chromosome.  **15.** parents will also pass down a specific phenotypic trait to their offspring |