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| **Across**  **6.** the genetic constitution of an individual organism.  **7.** a unit of heredity which is transferred from a parent to offspring and is held to determine some characteristic of the offspring  **8.** a type of non-Mendelian inheritance pattern that involves more than just the typical two alleles that usually code for a certain characteristic in a species.  **9.** a form of inheritance wherein the alleles of a gene pair in a heterozygote are fully expressed  **10.** an individual having two identical alleles of a particular gene or genes  **11.** traits that are controlled by multiple genes instead of just one.  **12.** the set of observable characteristics of an individual resulting from the interaction of its genotype with the environment. | **Down**  **1.** an individual having two different alleles of a particular gene or genes  **2.**  a genetic term that refers to the variation of chromosomes, or genetic information, during sex cell division.  **3.**  variant of a gene controlling the same trait and occupying a specific region on a chromosome  **4.** predicting the outcome of a genetic cross or of a random experiment.  **5.** when a dominant allele, or form of a gene, does not completely mask the effects of a recessive allele, and the organism’s resulting physical appearance shows a blending of both alleles. |