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Genetics: Station Labs

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| **Across**  **6.** genetic makeup of an organism  **8.** a diagram that is used by geneticists to determine the probability that an offspring would have a particular trait  **9.** one of two or more alternative forms of a gene that arises by mutation and are found at the same place on a chromosome  **10.** the appearance of an organism or the trait that you see is dependant on genotype  **11.** traits that are passed down from parent to offspring | **Down**  **1.** widely considered to be the father of genetics  **2.** having two identical alleles of a particular gene or genes  **3.** an inherited character determined by a dominant gene  **4.** an inherited character determined by a recessive gene  **5.** having two different alleles of a particular gene or genes  **7.** carry instruction that determine a person’s trait like hair color, and eye color these instructions are found on alleles. |