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unit 6-genetics vocabulary

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| **Across**  **5.** A piece of DNA that provides a set of instructions to a cell to make a certain protein.  **6.** a measure of how likely it is that some event will occur  **8.** F1 Generation First filial generation F2 Generation Second Filial generation  **13.** diagram that shows the possible results of a genetic cross; parents' gametes on top and left, offsprings' genotypes inside  **15.** crosses that examine the inheritance of only one specific trait  **16.** crosses that examine the inheritance of two different traits  **17.** An alternative version of a gene due to a slightly different base sequence in the DNA.  **18.** genetic makeup of an organism  **19.** physical characteristics of an organism | **Down**  **1.** the passing of trais from parent to offspring  **2.** The study of biological inheritance patterns and the variation in organisms.  **3.** Having two identical alleles that code for the same trait.  **4.** an offspring that was given different genetic information for a trait from each parent  **7.** trait that will only appear in the phenotype if organism inherits two of them; covered up by the dominant gene  **9.** These are sex cells- oval, or eggs, in the female, and spermatozoa, or sperm cells, in the male. DNA in this can be passed on to your children.  **10.** a cross between an organism with an unknown genotype and an orgasm with the recessive phenotype  **11.** another word for homozygous  **12.** Having different alleles that code for the same gene or trait.  **14.** trait that will show up in an organism's phenotype if gene is present |