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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 |