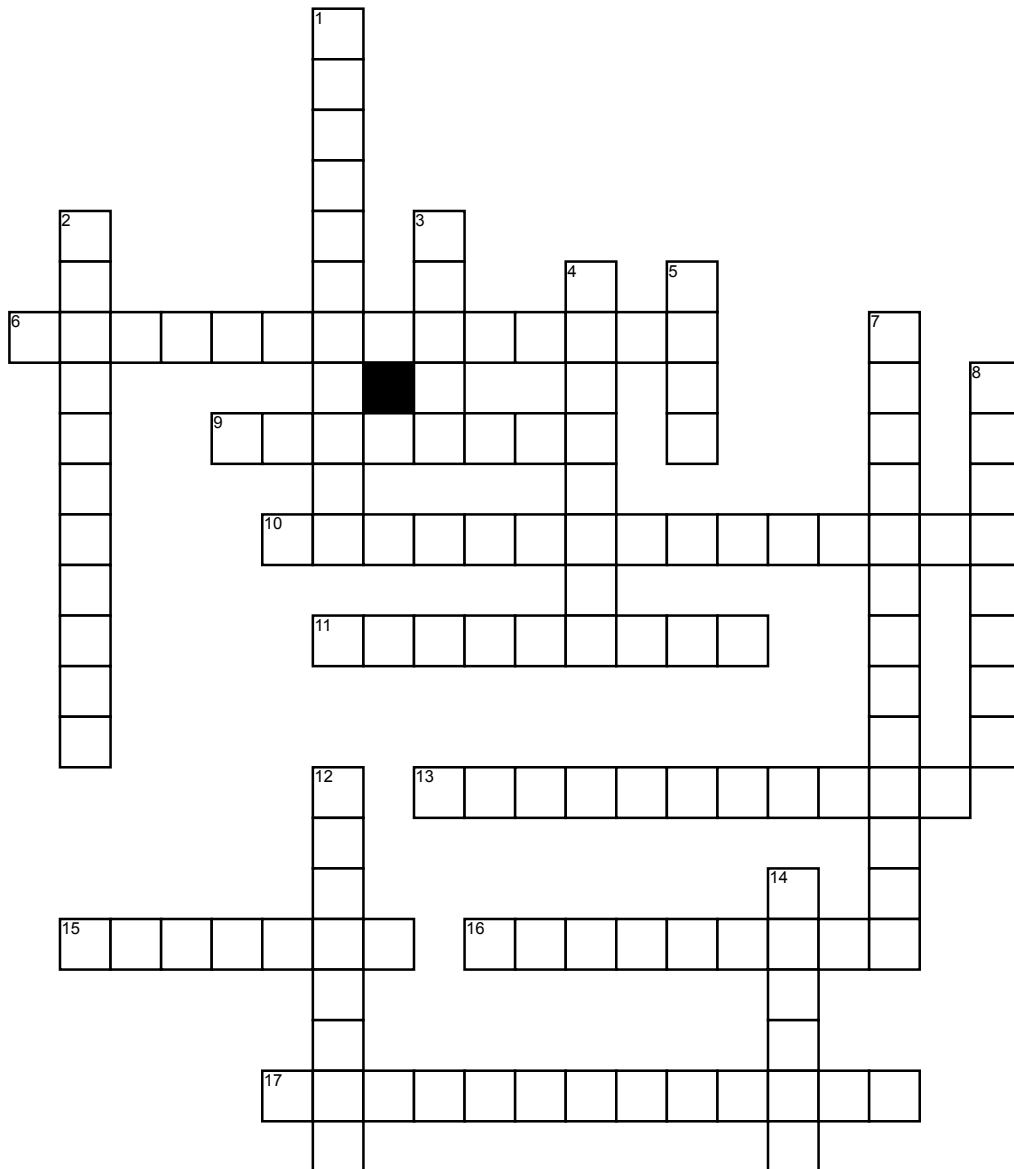


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# Genetics Crossword Puzzle



## Across

**6.** an allele that produces the same phenotype whether its paired allele is identical or different

**9.** the genetic constitution of an individual organism.

**10.** an allele that produces its characteristic phenotype only when its paired allele is identical

**11.** having each of your alleles the same

**13.** means having one each of two different alleles.

**15.** one of two or more alternative forms of a gene that arise by mutation and are found at the same place on a chromosome.

**16.** the set of observable characteristics of an individual resulting from the interaction of its genotype with the environment.

**17.** the action or process of fertilizing an egg, female animal, or plant, involving the fusion of male and female gametes to form a zygote.

## Down

**1.** A condition in which both alleles of a gene pair in a heterozygote are fully expressed, with neither one being dominant or recessive to the other.

**2.** the extent to which something is probable; the likelihood of something happening or being the case.

**3.** a distinguishing quality or characteristic, typically one belonging to a person.

**4.** the passing on of physical or mental characteristics genetically from one generation to another

**5.** a unit of heredity that is transferred from a parent to offspring and is held to determine some characteristic of the offspring.

**7.** diagram that is used to predict an outcome of a particular cross or breeding experiment.

**8.** the study of heredity and the variation of inherited characteristics.

**12.** an animal bred from parents of the same breed or variety.

**14.** the offspring of two plants or animals of different species or varieties, such as a mule (a hybrid of a donkey and a horse)