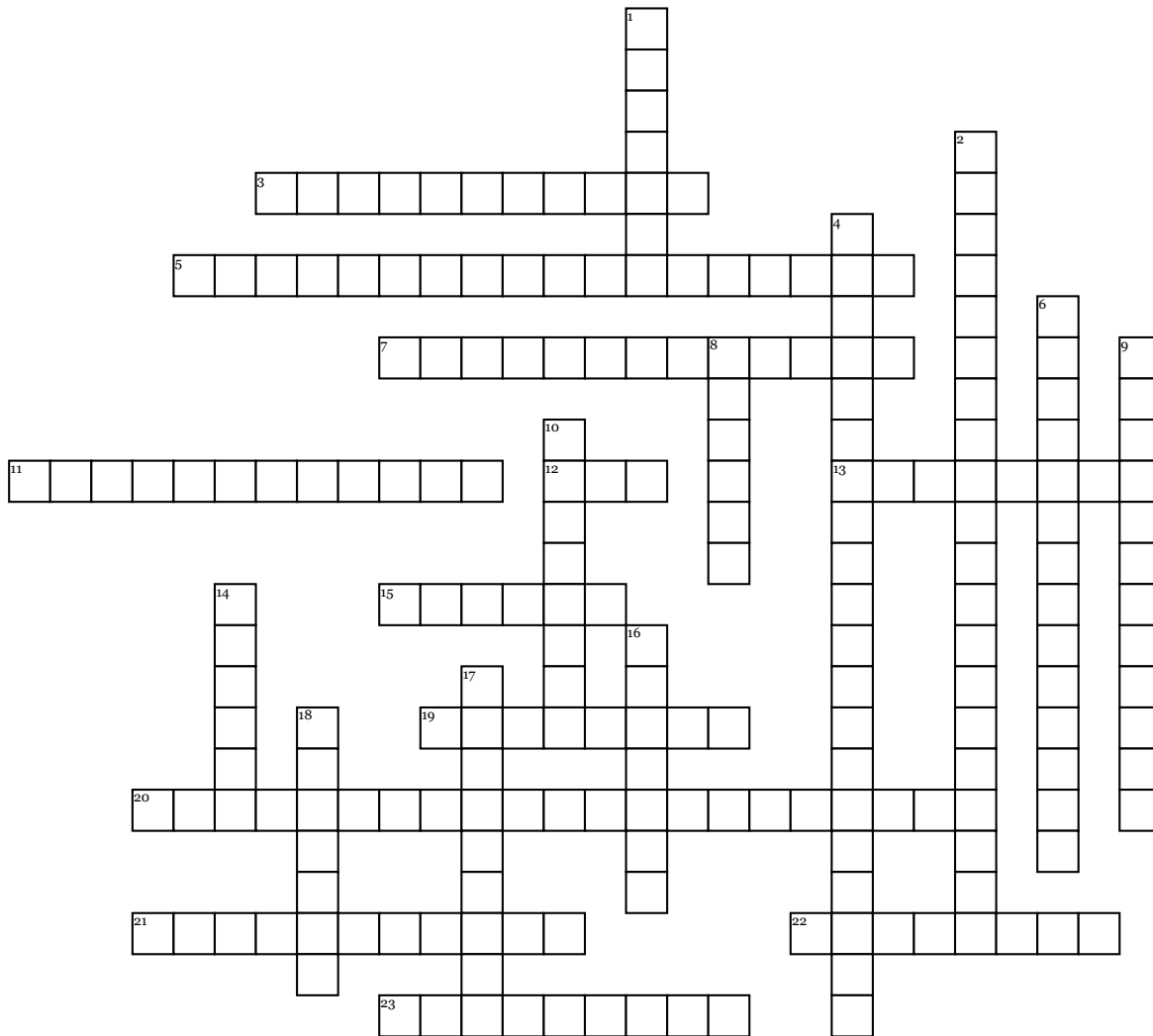


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# Genetics Vocabulary



## Across

**3.** mendelian principal explaining that because each plant has 2 different alleles, it can produce 2 different types of gametes

**5.** pattern of reproduction that involves the production of subsequent fusion of haploid cells

**7.** fusion of male and female gametes

**11.** when there are 2 different alleles for a trait

**12.** haploid female sex cell produced by meiosis

**13.** branch of biology that studies heredity

**15.** male and female sex cells

**19.** passing on of characteristics from parents to offspring

**20.** mendelian principal; stating that genes for different traits are inherited independent of each other

**21.** transfer of male pollen grains to the pistil of a flower

**22.** observed trait of an organism that masks the recessive form of a trait

**23.** outward appearance of an organism

## Down

**1.** cell with one of each kind of chromosome

**2.** major source of genetic variation among organisms caused by reassortment

**4.** paired chromosomes with genes for the same traits arranged in the same order

**6.** failure of homologous chromosomes to separate properly during meiosis

**8.** alternative forms of a gene for each variation of a trait of an organism

**9.** exchange of genetic material between non-sister chromatids from homologous chromosome during pro phase 1 of meiosis

**10.** combination of genes in an organism

**14.** offspring formed by parents having different forms of a species trait

**16.** type of cell division where one body cell produces four gametes, each containing half the number of chromosomes in a parent's body

**17.** trait of an organism that can be masked by the dominant form of a trait

**18.** cell with two of each kind of chromosome