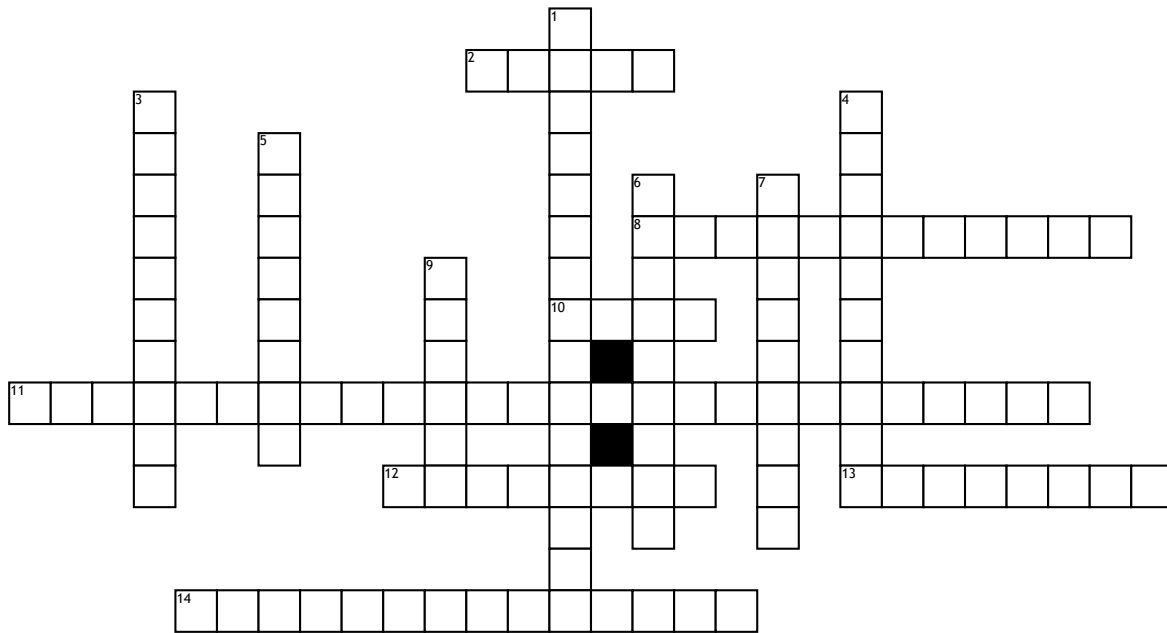


Genetics



Across

- 2. A genetically determined variant of a characteristic
- 8. Describes an individual that has two different alleles for a trait
- 10. A short segment of DNA that contains the instructions for a single trait
- 11. Mendel's Law that states that genes separate independently of one another in meiosis.
- 12. The entire genetic makeup of an organism
- 13. A hybrid that is heterozygous for alleles of two different genes

- 14. Mendel's Law that states that one of the factors for a pair of inherited traits will be dominant and the other recessive, unless both factors are recessive.

Down

- 1. Mendel's law that states that the pairs of homologous chromosomes separate in meiosis so that only one chromosome from each parent is in each gamete
- 3. Describes an individual that has identical alleles for a trait on both homologous chromosomes
- 4. A hybrid that is heterozygous with respect to a specified gene.

- 5. Describes the allele that is fully expressed when carried by only one of a pair of homologous chromosomes
- 6. An organism's appearance or other detectable characteristic that results from the organism's genotype and the environment
- 7. Describes a trait or an allele that is expressed only when two recessive alleles for the same characteristic are inherited
- 9. One of the alternate forms of a gene that governs a characteristic such as hair color