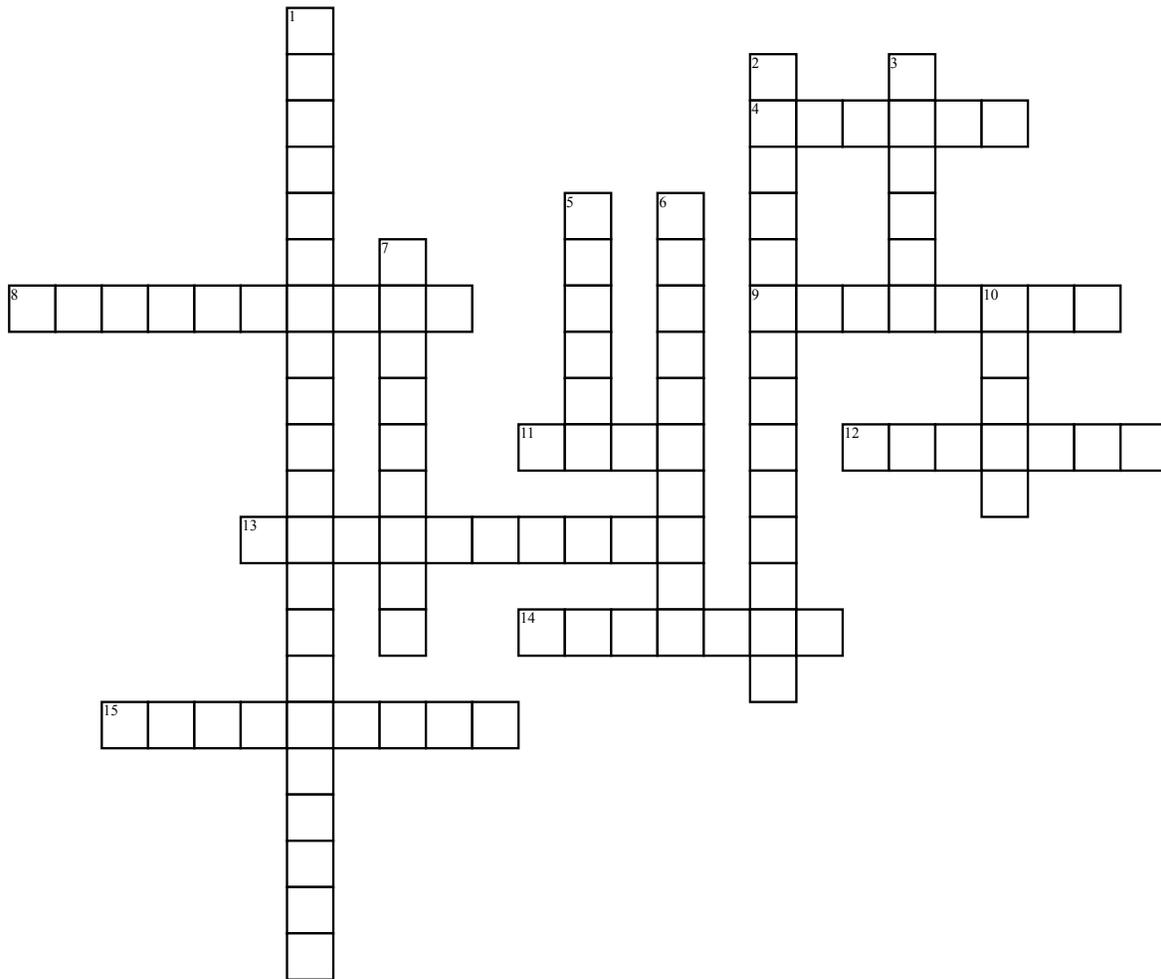


# Genetics



## Across

**4.** organism that has 23 pairs of chromosomes

**8.** same size shape and position of centromere and the same gene

**9.** the gene that makes mucus the right consistency

**11.** : the heritable factor that consists of a length of DNA and influences specific characteristics

**12.** nucleus that has homologous chromosome pairs and is represented as  $2n$

**13.** two joined sister chromatids

**14.** half of the chromosome number

**15.** an arrangement of chromosomes from largest to smallest

## Down

**1.** same genes but not always same alleles

**2.** a genetic trait

**3.** the most common method in decoded the nitrogen bases in an organism

**5.** alternative form of a gene

**6.** mutated gene in hemoglobin that causes sickle-shaped cells

**7.** random rare changes in DNA

**10.** an organism that has all of its DNA sequence decoded