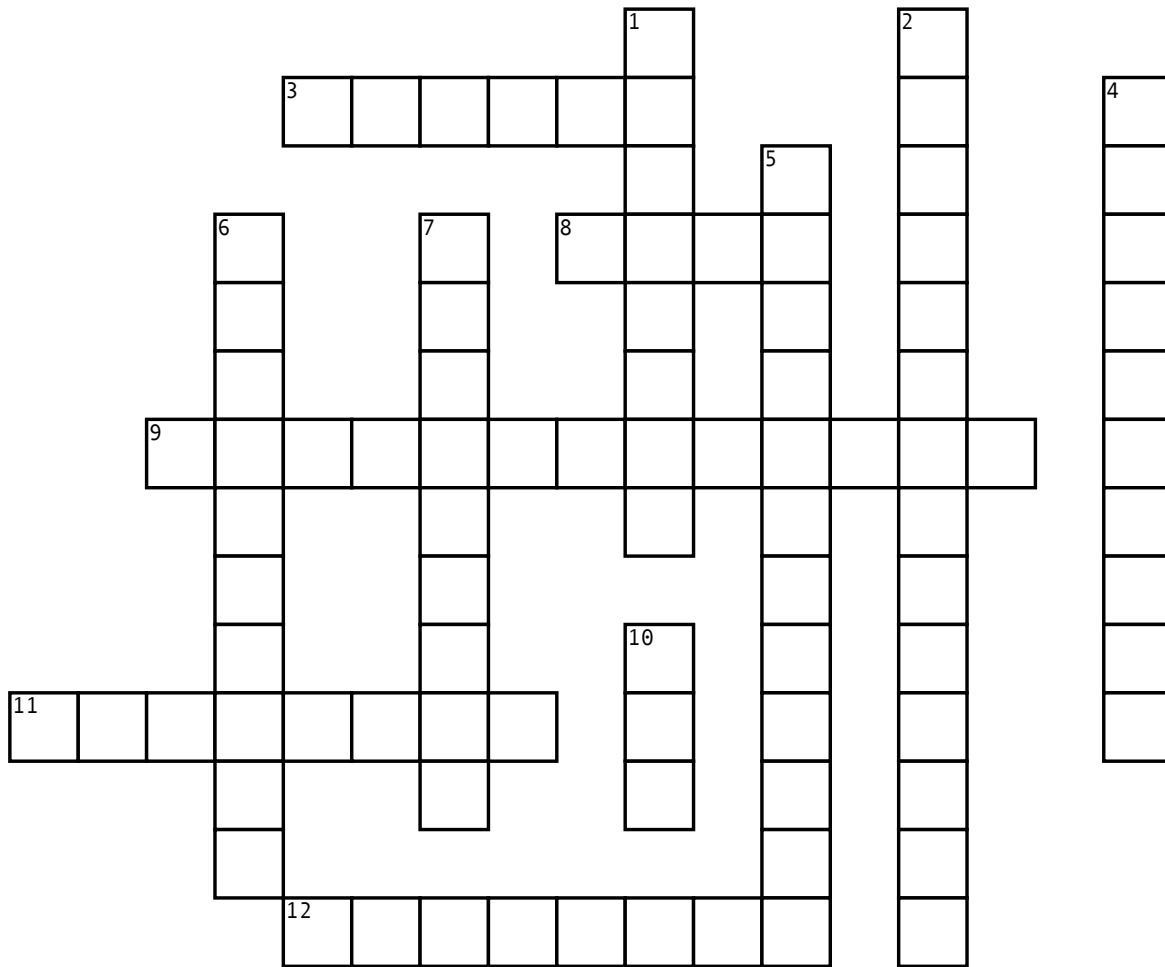


Name: _____

Date: _____

Genetics



Across

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

8. (in informal use) a unit of heredity that is transferred from a parent to offspring and is held to determine some characteristic of the offspring.

9. a trait that will appear in the offspring if one of the parents contributes it

11. the genetic makeup of an organism or group of organisms with reference to a single trait, set of traits, or an entire complex of traits

12. relating to genes or heredity

Down

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

2. a trait that must be contributed by both parents in order to appear in the offspring

4. Of, or pertaining to an individual (or a condition in a cell or an organism) containing two copies of the same allele for a particular trait located at similar positions (loci) on paired chromosomes (see homologous chromosomes).

5. Of, or pertaining to an individual (or a condition in a cell or an organism) containing two different alleles for a particular trait.

6. a threadlike structure of nucleic acids and protein found in the nucleus of most living cells, carrying genetic information in the form of genes.

7. the observable constitution of an organism

10. deoxyribonucleic acid, a self-replicating material present in nearly all living organisms as the main constituent of chromosomes. It is the carrier of genetic information.