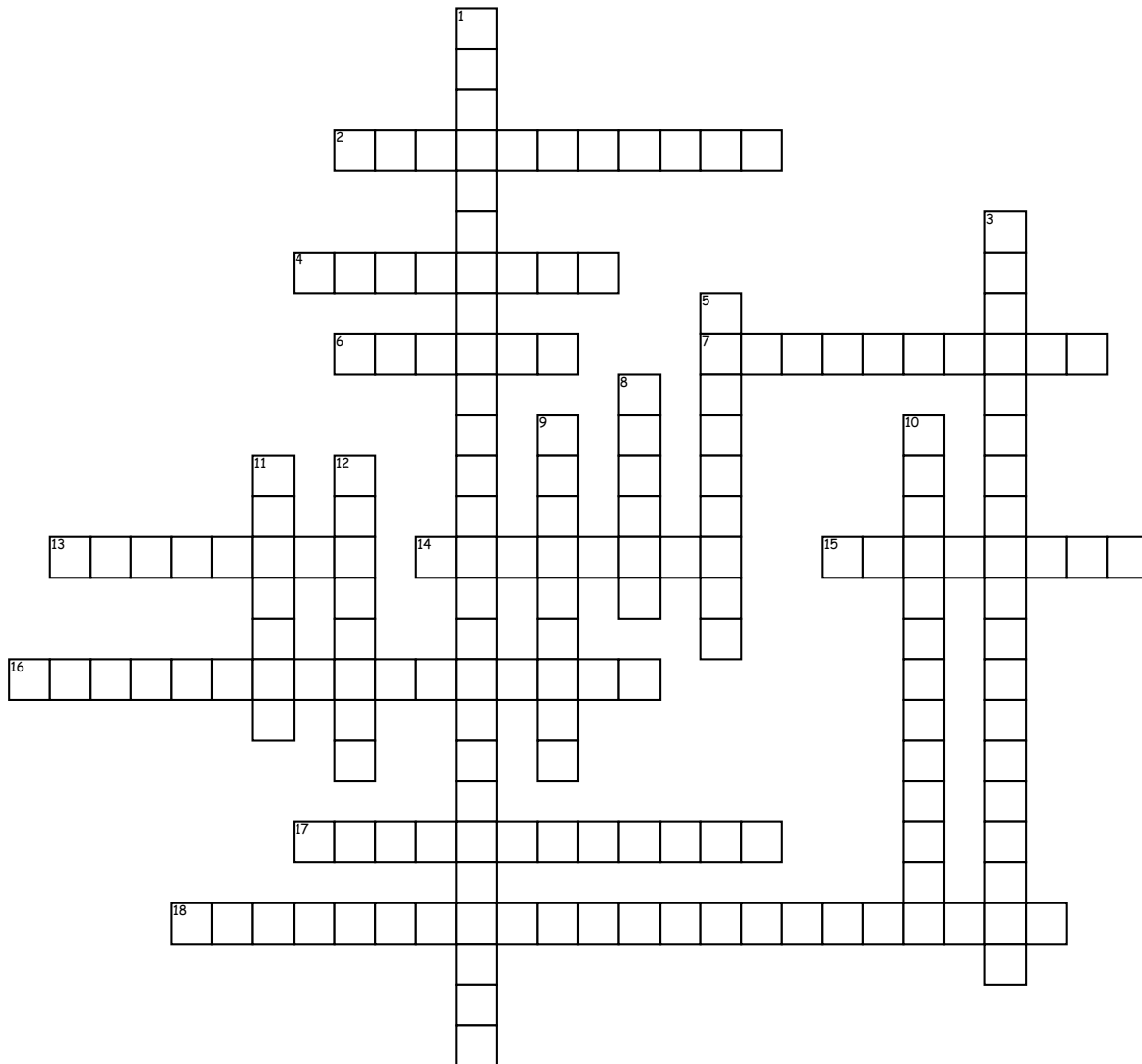


Genetics & Inheritance Vocabulary Game



Across

- 2. Two different alleles that are entirely present and expressed in a heterozygous individual
- 4. A gene that is expressed phenotypically in heterozygous or homozygous organisms.
- 6. Any of several forms of a gene, usually happens through mutation, that are responsible for hereditary variation
- 7. When an organism has identical pairs of genes for all pairs of hereditary characteristics
- 13. Organism with identical genes as their parents
- 14. When parents give their traits to kids
- 15. 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.

- 16. During the production of gametes the two copies of each gene segregate so that offspring acquire one factor from each parent.
 - 17. When organisms have different pairs of genes for any hereditary characteristic.
 - 18. Conditions affecting a given organism at any time
- Down**
- 1. When two or more characteristics are inherited, individual hereditary factors assort independently during gamete production, giving different traits an equal opportunity of occurring together.
 - 3. The appearance in a heterozygote of a trait that is intermediate between either of the trait's homozygous phenotypes.
 - 5. The appearance of an organism or organisms resulting from the interaction of the genotype and the environment.

- 8. Organism with non identical genes as their parents
- 9. A gene that is phenotypically present in the homozygous state but has its presence masked in the presence of a dominant gene.
- 10. A grid used to show the gametes of each parent and their possible offspring; a type of grid that can indicate all the possible outcomes of a genetic cross
- 11. An Individual organism having an unexpressed, recessive trait.
- 12. A genealogical record of a purebred animal.