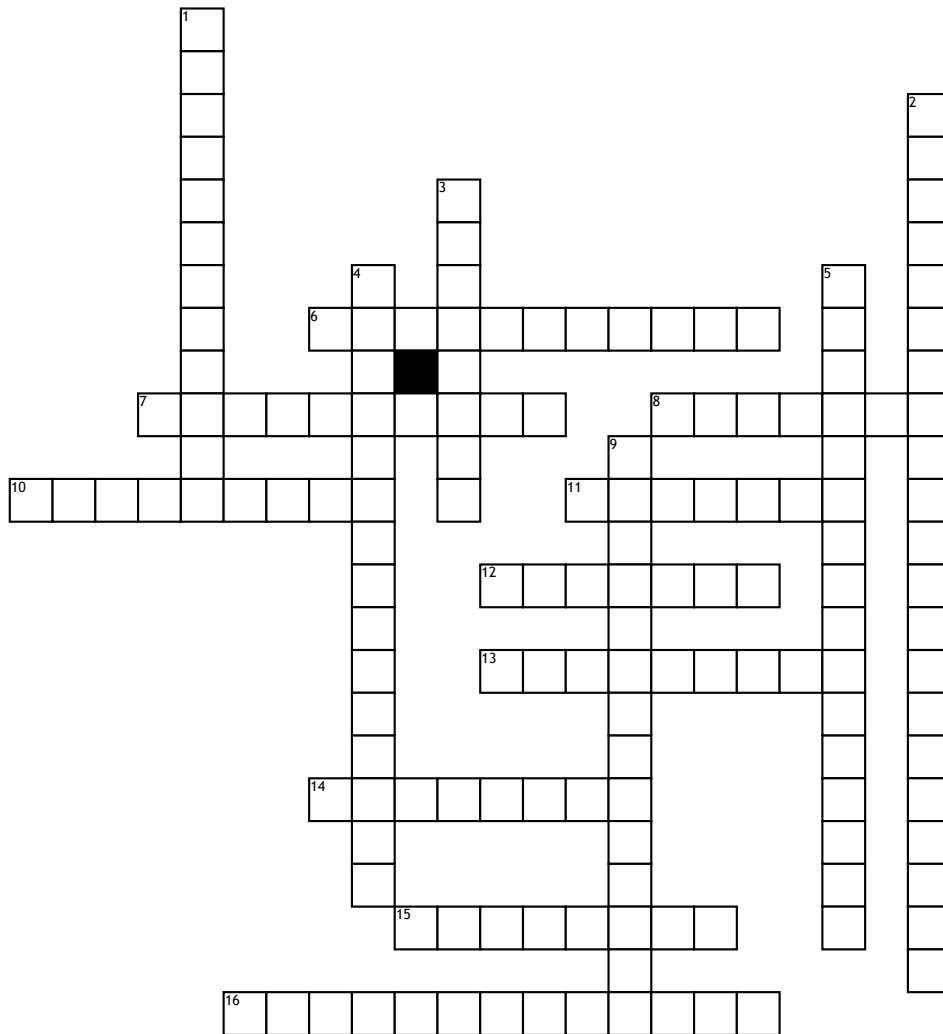


Name: _____

Genetics



Across

- 6. having both alleles expressed equally in the phenotype of the organism
- 7. having identical pairs of genes for any given hereditary characteristic
- 8. a single set of chromosomes
- 10. trait hidden or masked in the F1 generation
- 11. reduction division that occurs in the sex cells
- 12. an organism or cell having double the basic haploid number of cells

- 13. the appearance of an organism

- 14. an individual heterozygous for two pairs of genes
- 15. the one of a pair of alternative alleles that masks the effect of the other
- 16. the formation of new combinations of genes by crossing over or independent assortment or by direct manipulation of genetic material

Down

- 1. having dissimilar pairs of genes for any hereditary characteristic

- 2. principle that states that hereditary factors assort independently during gamete formation

- 3. any chromosome that is not a sex chromosome.
- 4. characteristics that results from the interaction of multiple gene pairs
- 5. the principle that states that the two copies of each hereditary factor segregate
- 9. determined by a gene located in a sex chromosome

Word Bank

- | | | | |
|--------------------|------------------|--------------|------------------------|
| law of segregation | sex linked trait | homozygous | meiosis |
| codominance | polygenic traits | diploid | independent assortment |
| haploid | diybrid | heterozygous | recombination |
| autosome | phenotype | dominant | recessive |