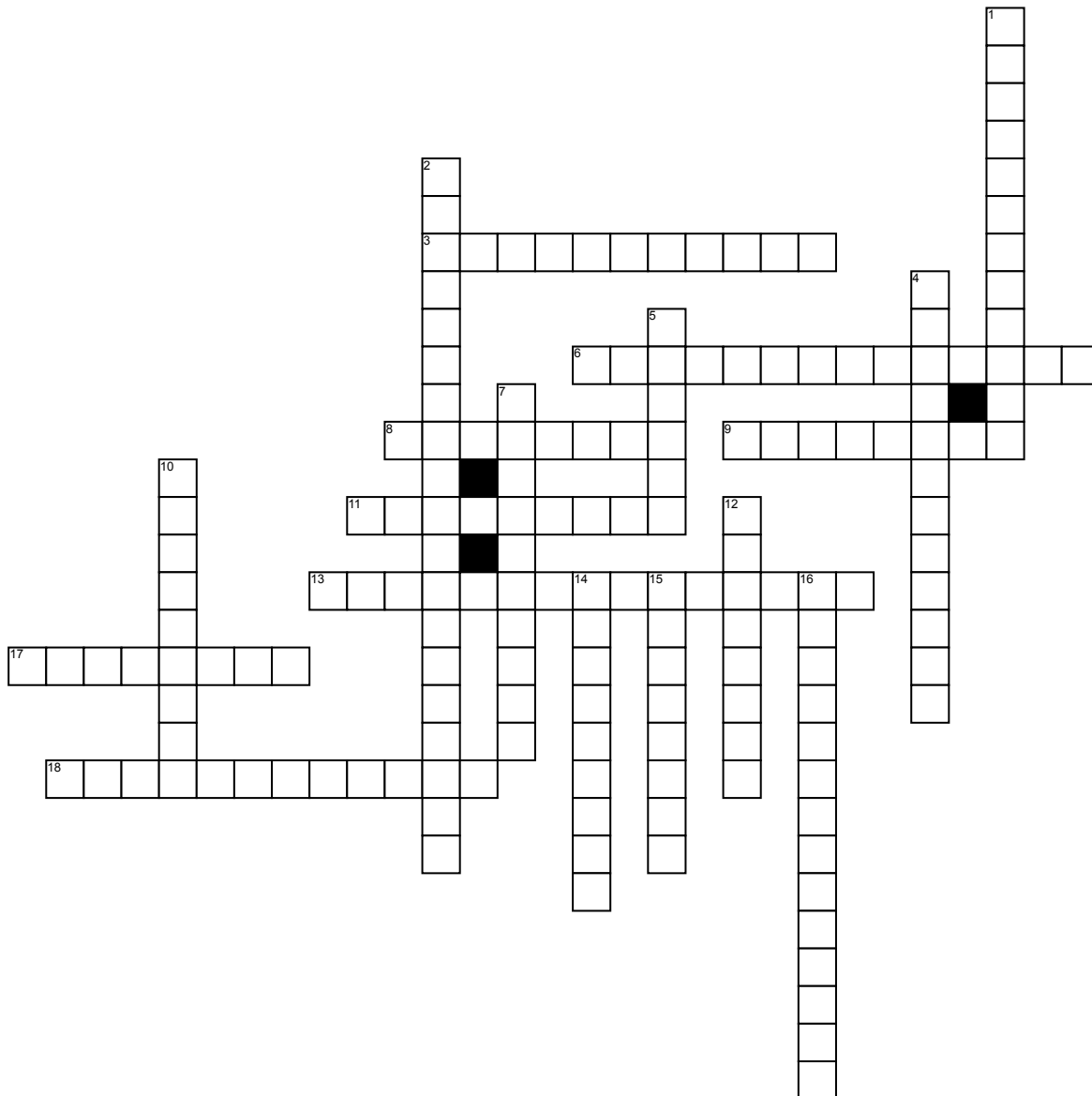


Name: _____

Date: _____

Genetics



Across

3. A condition in which both alleles of a gene pair in a heterozygote are fully expressed

6. are controlled by two or more than two genes (usually by many different genes) at different loci on different chromosomes

8. the genetic constitution of an individual organism.

9. the record of descent of an animal, showing it to be purebred

11. the set of observable characteristics of an individual resulting from the interaction of its genotype with the environment.

13. A genetic cross between parents that differ in the alleles they possess for one particular gene

17. the study of heredity and the variation of inherited characteristics

18. plant is one that, when self-fertilized, only produces offspring with the same traits

Down

1. is a diagram that is used to predict an outcome of a particular cross or breeding experiment.

2. is a form of intermediate inheritance in which one allele for a specific trait is not completely expressed over its paired allele

4. refers to a pair of genes where one is dominant and one is recessive

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

7. having one each of two different allele

10. the set of observable characteristics of an individual resulting from the interaction of its genotype with the environment.

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

14. relating to or denoting heritable characteristics controlled by genes that are expressed in offspring only when inherited from both parents, i.e., when not masked by a dominant characteristic inherited from one parent

15. most important, powerful, or influential

16. associated with a gene that is carried only by the male or female parent