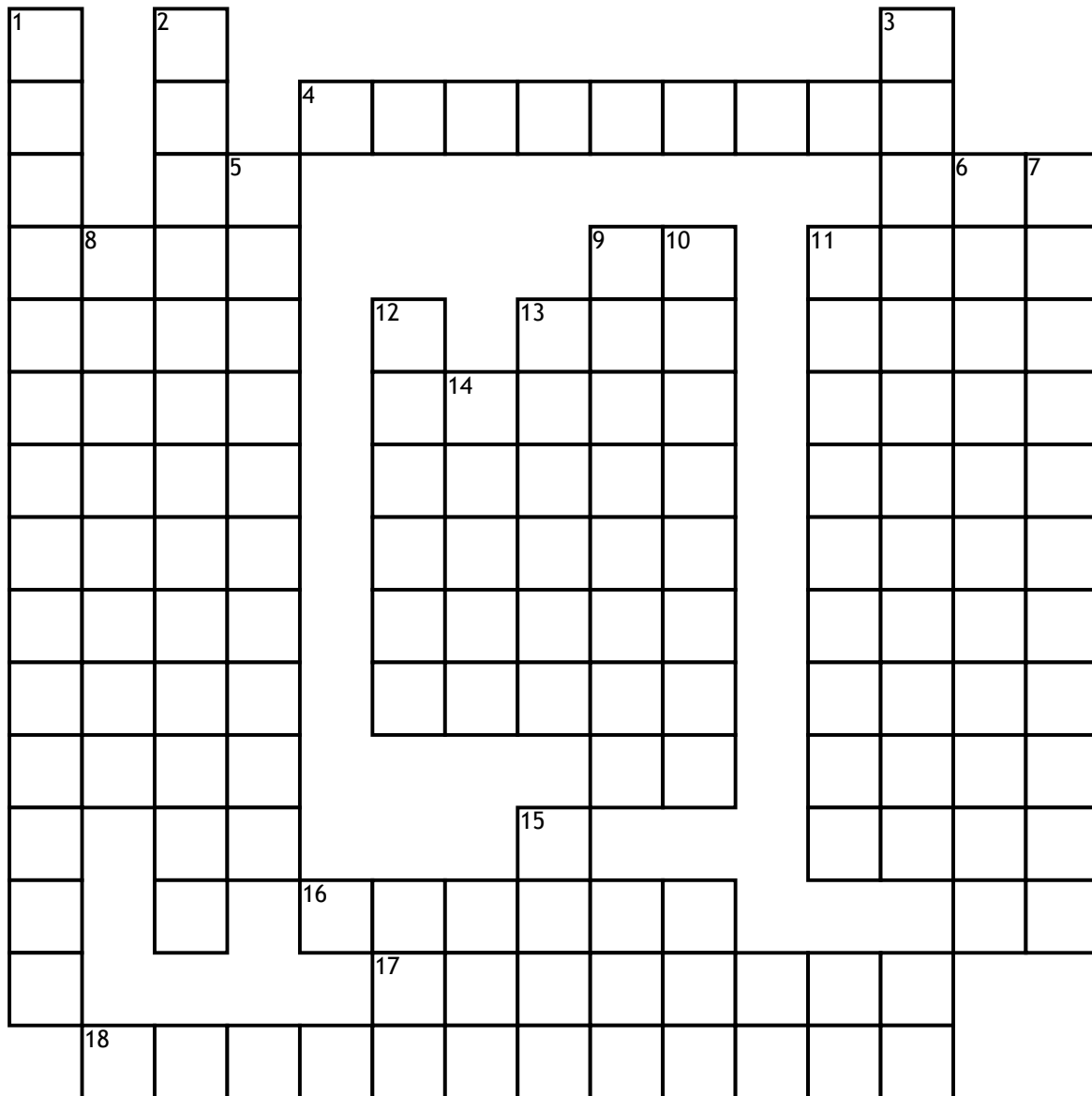


Name: _____ Date: _____ Period: _____

Genetics



Across

4. what an organism looks like as a consequence of the interaction of its genotype and the environment

16. either of a pair of alternative forms of a gene that can occupy the same locus on a particular chromosome and that control the same character

17. the particular alleles at specified loci present in an organism

18. an organism that always passes down certain phenotype traits

Down

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

2. making fertile as by applying fertilizer or manure

3. having dissimilar alleles at corresponding chromosomal loci

5. having identical alleles at corresponding chromosomal loci

6. the act of segregating or sequestering

7. a number expressing the ratio of favorable cases to the whole number of cases possible

8. an allele that produces the same phenotype whether its paired allele is identical or different

9. the branch of biology that studies heredity and variation in organisms

10. the biological process whereby genetic factors are transmitted from one generation to the next

11. an allele that produces its characteristic phenotype only when its paired allele is identical

12. a mature sexual reproductive cell having a single set of unpaired chromosomes

13. a composite of mixed origin

14. a distinguishing feature of your personal nature

15. a segment of DNA that is involved in producing a polypeptide chain