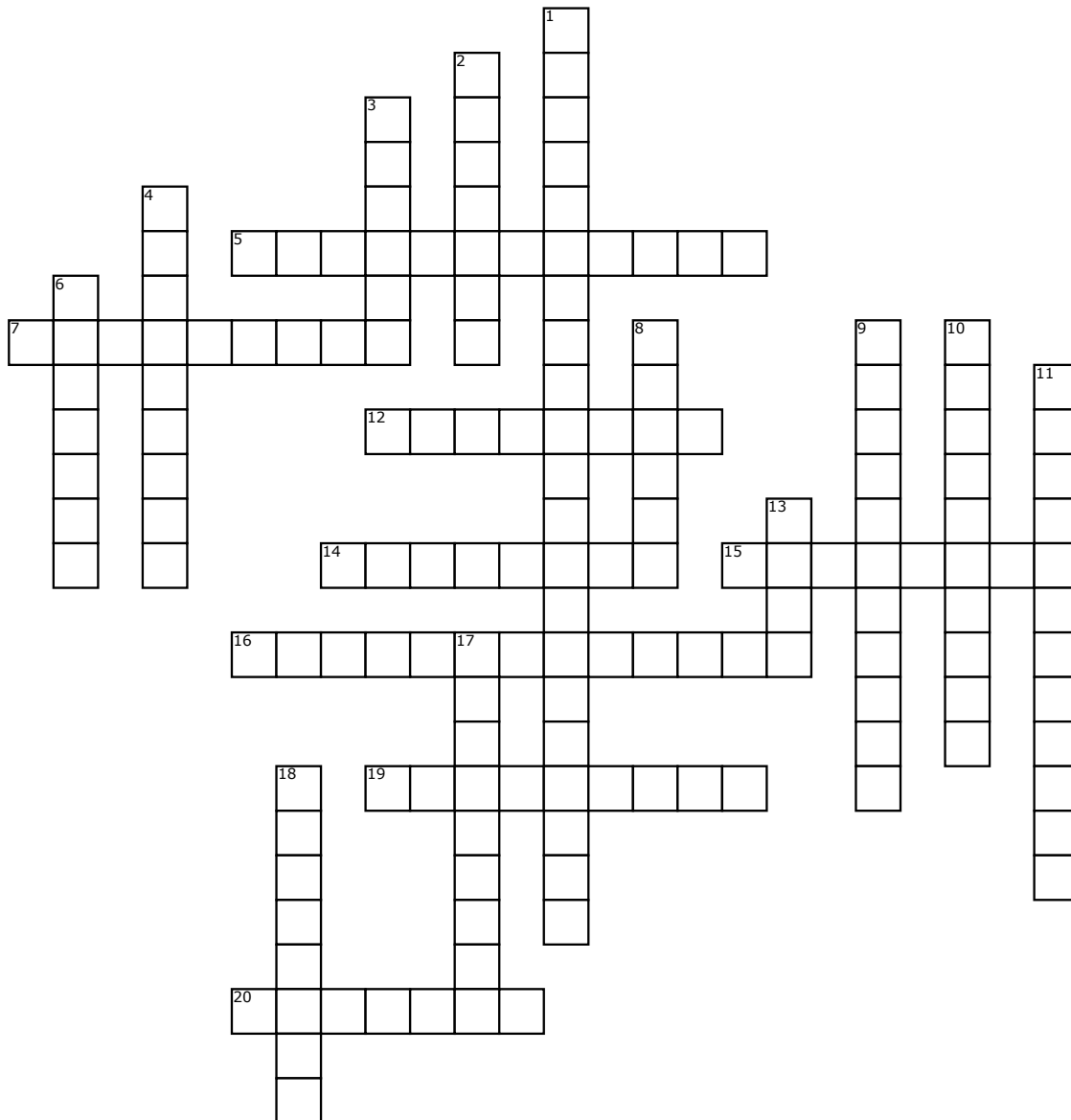


Name: _____

Genetics



Across

- 5.** characteristic of having two different alleles that appear at the same locus of sister chromatids
7. image of all of the chromosomes in a cell
12. chromosome that contains genes for characteristics not directly related to the sex of the organism
14. chart of phenotypes and genotypes in a family that determines whether an individual is a carrier of a recessive allele
15. collection of all of an organism's genetic information that codes for traits
16. chromosome that directly controls the development of sexual characteristics

- 19.** collection of all of an organism's physical characteristics
20. organism whose genome contains a gene for a certain trait or disease that is not expressed in the organism's phenotype

Down

- 1.** body part that is similar in structure on different organisms but perform different functions
2. cell that has two copies of each chromosome, one from an egg and one from a sperm
3. any of the alternative forms of a gene that occurs at a specific place on a chromosome
4. that that is produced by two or more genes
6. cell that has only one copy of each chromosome

- 8.** sex cell
9. long, continuous thread of DNA that consists of numerous genes and regulatory information
10. characteristic of having two of the same alleles at the same locus of sister chromatids
11. model for predicting all possible genotypes resulting from a cross or mating
13. segment of DNA on a chromosome that codes for a specific trait
17. allele that is expressed when two different alleles are present in an organism's genotype
18. allele that is expressed when two different alleles are present in an organism's genotype