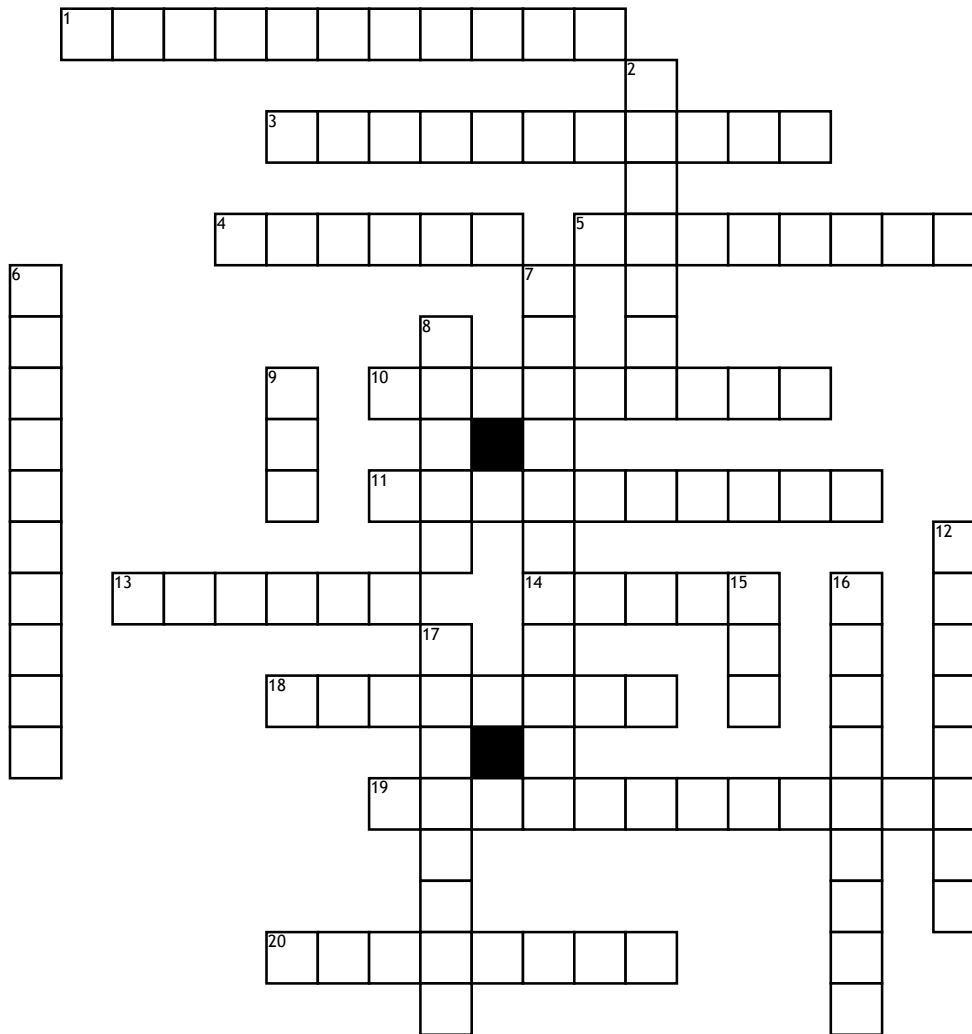


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Genetics



**Across**

- 1. A condition in which the two alleles of a gene are neither dominant nor recessive
- 3. The genetic information lies within the \_\_\_\_\_ of each living cell in the body
- 4. an organism that has two different alleles for a trait
- 5. The study of heredity and the variation of inherited characteristics
- 10. an allele that is masked when a dominant allele is present
- 11. each chromosome has a constriction called a \_\_\_\_\_
- 13. there are about \_\_\_\_\_ thousand genes located on one of the 23 chromosomes

- 14. a characteristic that an organism can pass to offspring through genes
- 18. the offspring of many generations that have the same traits
- 19. Having two different alleles for a trait.
- 20. total number of chromosomes passed from both parents

**Down**

- 2. The different forms of a gene
- 6. having two identical alleles for a trait
- 7. Humans have \_\_\_\_\_ pairs of these small thread-like structures in the nucleus of their cells
- 8. these are made up of the chemical substance called DNA

- 9. \_\_\_\_\_ is the hereditary material in humans and almost all other organisms
- 12. men and women have \_\_\_\_\_ chromosomes
- 15. every person has \_\_\_\_\_ copies of genes
- 16. an organism's physical appearance or visible traits
- 17. biological process where a parent passes certain genes onto their children or offspring

**Word Bank**

- |              |             |              |              |            |
|--------------|-------------|--------------|--------------|------------|
| forty six    | Codominance | twenty three | Genetics     | trait      |
| centromere   | recessive   | Phenotype    | Alleles      | DNA        |
| hybrid       | two         | forty six    | Heterozygous | Genes      |
| Cell nucleus | twenty      | purebred     | Heredity     | homozygous |