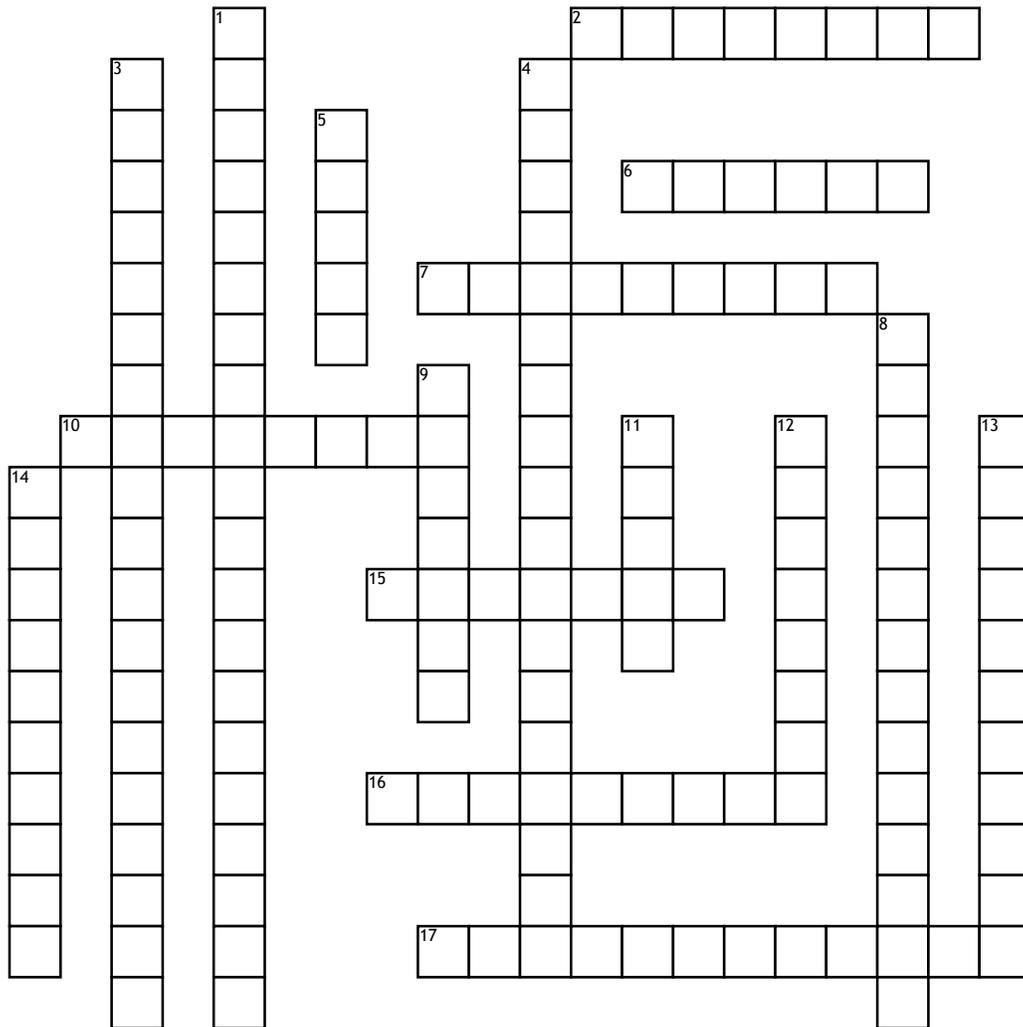


Name: _____

Date: _____

Genetics



Across

- 2. Of the pair of genes received from both parents, one may be more strongly inherited and is always displayed if present
- 6. Also known as heterozygous
- 7. The characteristic that appears as a result of a genotype
- 10. The pair of genes written in letter form
- 15. For specific characteristics, there may be one or more types that may be determined by slightly different variations of the DNA in the gene. These are called _____.

- 16. These are drawn to study a characteristic. It uses symbols such as rectangles and circles
 - 17. A genotype that has different genes or alleles (Bb)
- Down**
- 1. Genes are made of this
 - 3. This occurs where both genes are incompletely expressed in the phenotype
 - 4. This is a person with blood type AB and can receive a blood transfusion from any other blood type
 - 5. Humans with 1 X-shaped chromosome and 1 Y-shaped chromosome

- 8. A person with this blood type can donate blood to any other type
- 9. Humans with 2 X-shaped chromosomes
- 11. _____ are made of DNA. They help make proteins that will determine certain characteristics
- 12. What is the study of heredity
- 13. Genes are situated on these structures
- 14. A genotype that has the same genes or alleles (ex: BB, bb) - also known as a purebred

Word Bank

- | | | | |
|----------------------|---------------------|------------|-----------------------|
| pedigrees | genetics | males | heterozygous |
| hybrid | Universal Recipient | Genes | deoxyribonucleic acid |
| alleles | universal donor | homozygous | dominant |
| Incomplete Dominance | chromosomes | Phenotype | genotype |
| females | | | |