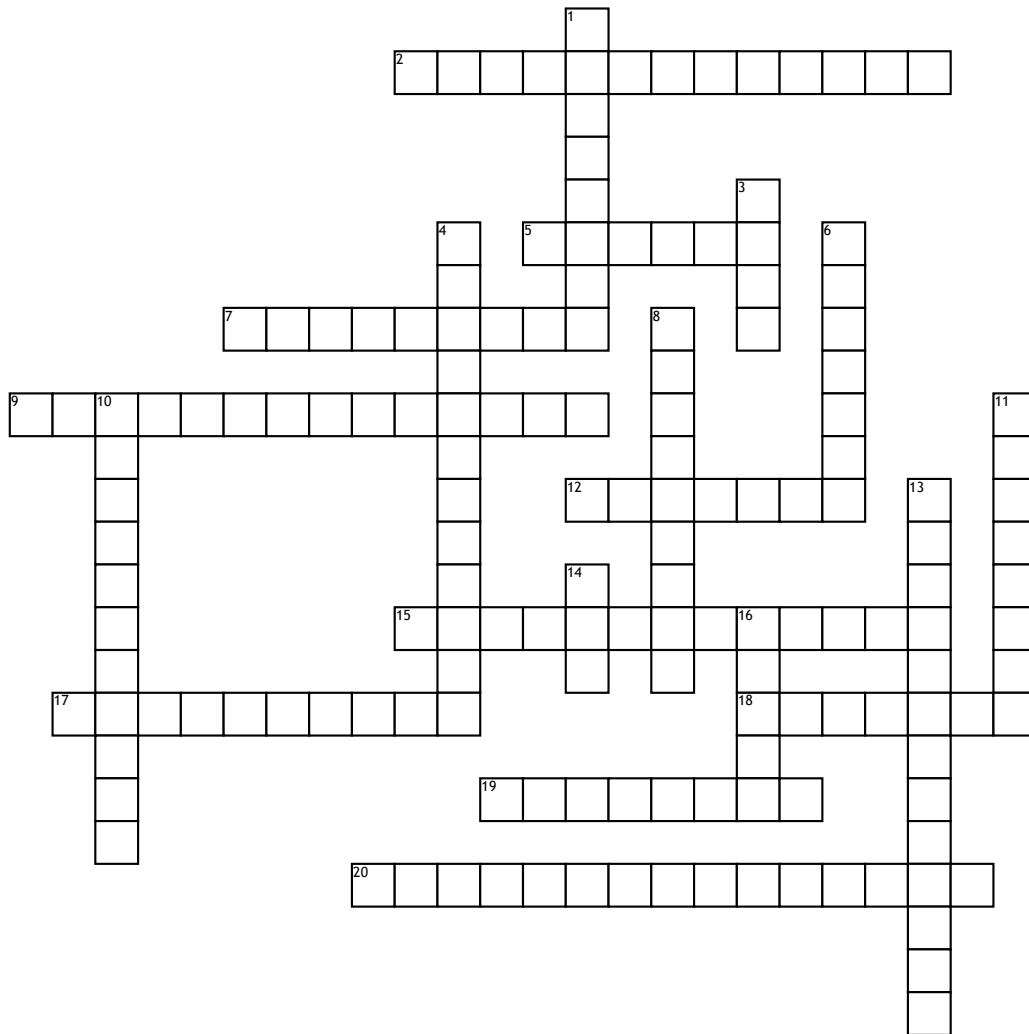


Heredity and genetics Crossword puzzle



Across

- 2. Chart that shows the probable results of a genetic cross when the genotypes of the parents are known.
- 5. The one cell that is formed when the cell accepts the sperm cell.
- 7. an organisms physical appearance or visible traits
- 9. trait that is hidden if dominant trait is present
- 12. (genetics) an organism or cell having two sets of chromosomes or twice the haploid number
- 15. trait that is always visible when it is present

- 17. having two of the same alleles for a particular trait. Ex: TT, bb, PP
- 18. multiple forms of the same gene
- 19. the passage of genetic information from parent to offspring
- 20. traits passed down from parent to offspring

Down

- 1. an organisms inherited combination of alleles
- 3. a unit of heredity that controls a specific trait
- 4. having two different alleles for a particular trait. Ex: Tt, Bb, Pp

- 6. of a cell or organism having a single set of chromosomes
- 8. new organisms produced by existing organisms; products of reproduction
- 10. Structures in the nucleus of eukaryotic cells that are made up of DNA and proteins. Condensed chromatin.
- 11. the study of heredity
- 13. process in sexual reproduction in which male and female reproductive cells join to form a new cell such as pollen joining with an egg
- 14. double-helix shaped molecule that carries genetic information
- 16. a characteristic or quality of an organism

Word Bank

- | | | | | |
|------------------|----------------|--------------|-----------------|----------------|
| fertilization | dominant trait | DNA | Gene | Punnett square |
| Alleles | Offspring | homozygous | chromosomes | Haploid |
| Diploid | Heredity | heterozygous | Zygote | Genotype |
| inherited traits | Trait | Phenotype | recessive trait | Genetics |