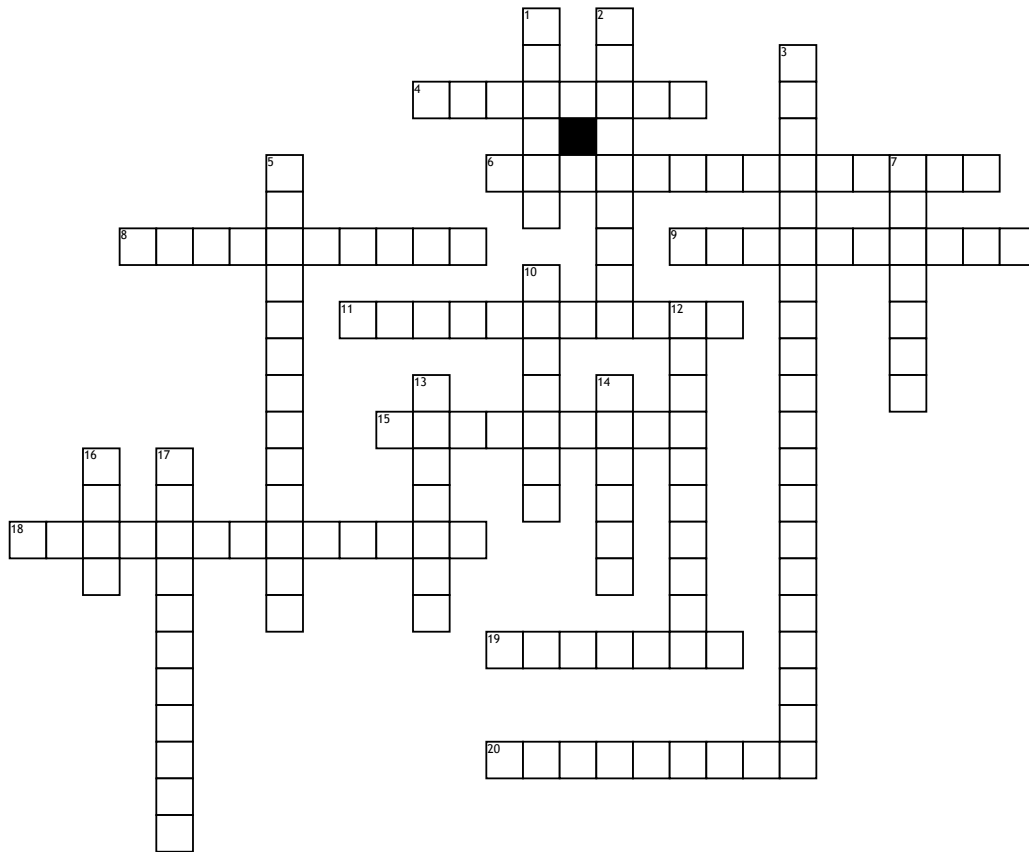


Biology



Across

- 4. cell structures made up of both centrioles and individual microtubule fibers that are involved in moving chromosomes during cell division
- 6. one of the 23 pairs of chromosomes in the human, contains genes that will determine the sex of the individual
- 8. area where the chromatids of a chromosome are attached
- 9. two identical chromosomes that split and contain the same genetic material
- 11. division of the cytoplasm during cell division
- 15. A picture of all the chromosomes in a cell arranged in pairs

- 18. form of asexual reproduction that produces identical offspring.
- 19. a mature sexual reproductive cell, as a sperm or egg, that unites with another cell to form a new organism.
- 20. chromosomes that are not directly involved in determining the sex of an individual

Down

- 1. the uncontrolled growth of cells.
- 2. series of events that cells go through as they grow and divide
- 3. Chromosomes with matching information
- 5. process in sexual reproduction in which male and female reproductive cells join to form a new cell

- 7. cell division in which the nucleus divides into nuclei containing the same number of chromosomes
- 10. a cell that contains two haploid sets of chromosomes
- 12. period of the cell cycle between cell divisions
- 13. (genetics) an organism or cell having only one complete set of chromosomes
- 14. a fertilized egg
- 16. sequence of DNA that codes for a protein and thus determines a trait
- 17. threadlike structures made of DNA molecules that contain the genes

Word Bank

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|-----------------|------------------------|-----------|---------------|
| Chromosomes | Chromatids | Mitosis | Diploid |
| Sex Chromosomes | Zygote | Haploid | Karyotype |
| Cytokinesis | Homologous Chromosomes | Gametes | Fertilization |
| Cell Cycle | Cancer | Autosomes | Centromere |
| Binary Fission | Interphase | Gene | Spindles |