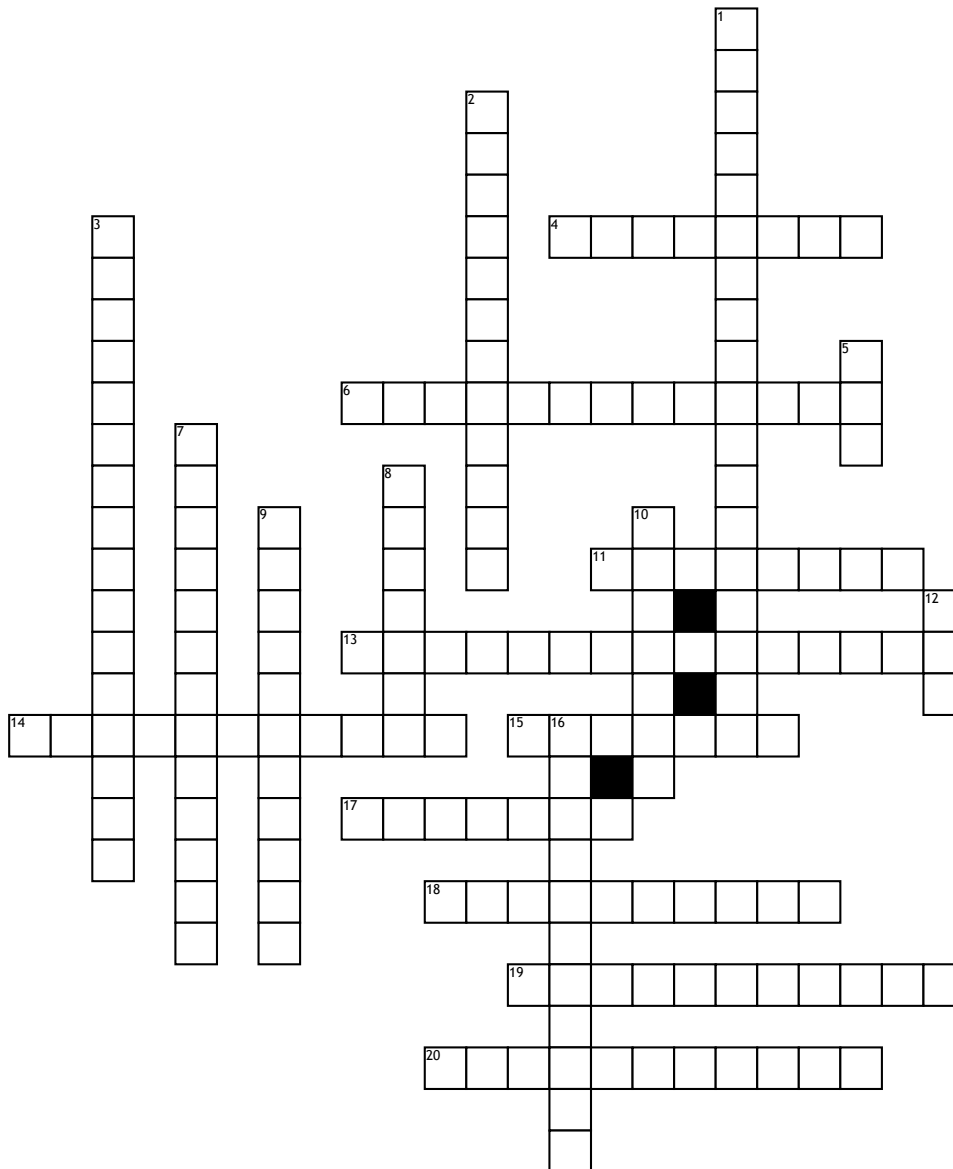


Biology Crossword



Across

- 4. one of the 4 nitrogen bases; pairs with guanine in double stranded DNA
- 6. 1 nitrogen base changes places with another nitrogen base
- 11. the alteration of the nucleotide sequence of the genome of an organism because of damage to the DNA molecule
- 13. the process by which a less specialized cell becomes a more specialized cell with a more distinct form and function
- 14. generic cells that have been changed into specific cells, meant to do certain tasks within the body
- 15. one of the 4 nitrogen bases; pairs with thymine in double stranded DNA
- 17. an organelle found in eukaryotic cells; contains majority of the cell's genetic material

- 18. the basic building block of nucleic acids; consists of a sugar molecule, phosphate group, and a nitrogen containing base
- 19. threadlike structures of nucleic acids and proteins found in the nucleus of most living cells, carrying genetic information in the form of genes
- 20. the process by which a double stranded DNA molecule is copied to produce two identical DNA molecules

Down

- 1. nitrogen bases are added or deleted, changing the arrangement of the nitrogen bases
- 2. a nitrogen containing molecule that has the same chemical properties as a base; make up building blocks of DNA and RNA
- 3. the process of creating protein molecules; involves the processes of transcription and translation

- 5. deoxyribonucleic acid; molecule that contains genetic code in all organisms
- 7. the process by which the information in a strand of DNA is copied into a new molecule of mRNA
- 8. one of the 4 nitrogen bases; pairs with adenine in double stranded DNA
- 9. the process in which ribosomes in the cytoplasm synthesize proteins after the process of transcription of DNA to RNA to the cell's nucleus
- 10. one of the 4 nitrogen bases; pairs with cytosine in double stranded DNA
- 12. ribonucleic acid; a molecule essential in various biological roles in coding, decoding, regulation, and expression of genes
- 16. the structure of DNA; 2 strands winded together