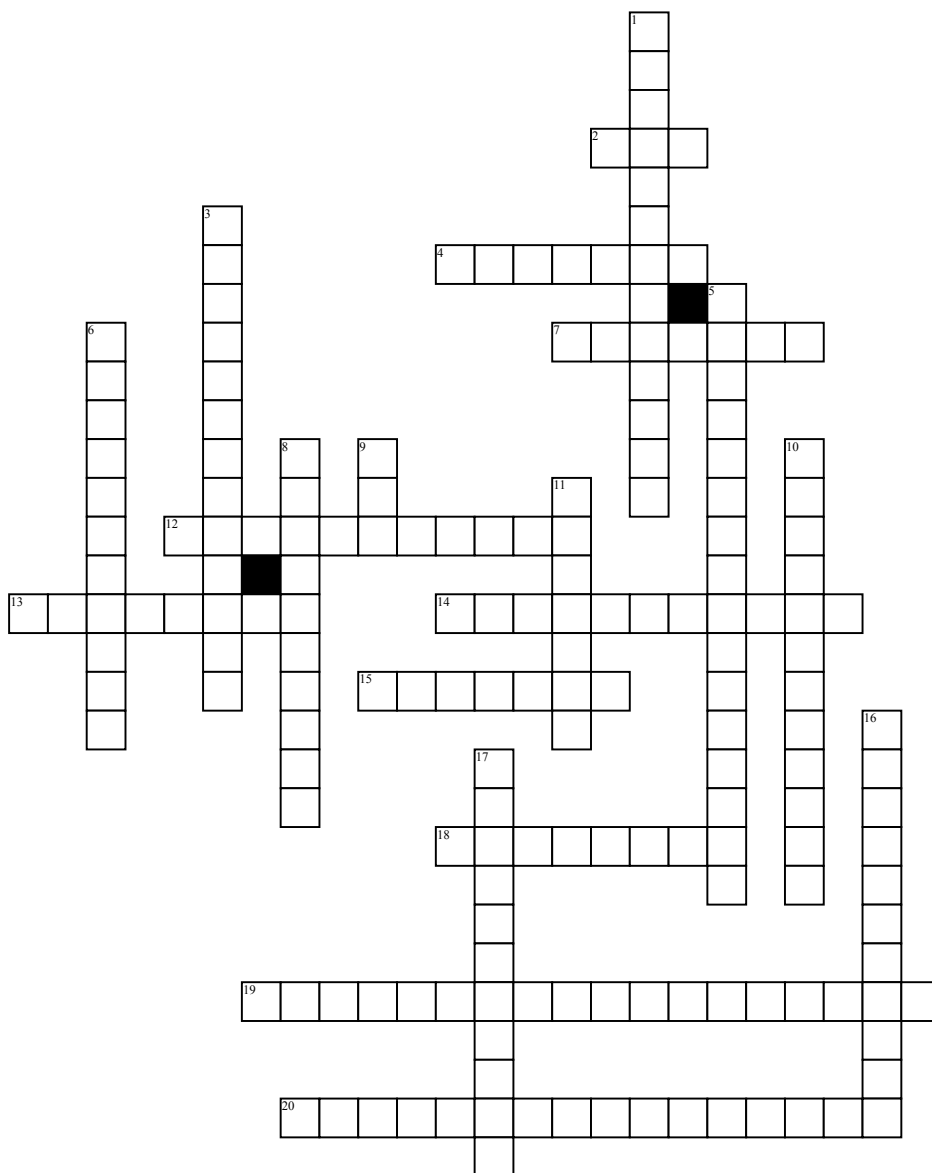


Honors Biology Crossword Project



Across

2. single-stranded nucleic acid that contains the sugar ribose
 4. Control center of the cell
 7. A component of nucleic acids that carries hereditary information in DNA and RNA in cells. Chemically, it is a purine base.
 12. Having one use among many possible uses; specific
 13. A component of nucleic acids that carries hereditary information in DNA and RNA in cells. Chemically, it is a pyrimidine base.
 14. Process by which mRNA is decoded and a protein is produced
 15. A component of nucleic acid that carries hereditary information in DNA in cells. Chemically, it is a pyrimidine base.

18. A change in a gene or chromosome.
 19. mutation that shifts the "reading" frame of the genetic message by inserting or deleting a nucleotide
 20. the formation of proteins by using information contained in DNA and carried by mRNA

Down

1. gene mutation in which a single base pair in DNA has been changed
 3. (genetics) the organic process whereby the DNA sequence in a gene is copied into mRNA
 5. process in which cells become specialized in structure and function
 6. Copying process by which a cell duplicates its DNA

8. monomer of nucleic acids made up of a 5-carbon sugar, a phosphate group, and a nitrogenous base
 9. A complex molecule containing the genetic information that makes up the chromosomes.
 10. a DNA nucleotide containing nitrogen, a sugar molecule, and a phosphate group
 11. The base that pairs with Thymine in DNA
 16. threadlike structures made of DNA molecules that contain the genes
 17. two strands of nucleotides wound about each other; structure of DNA