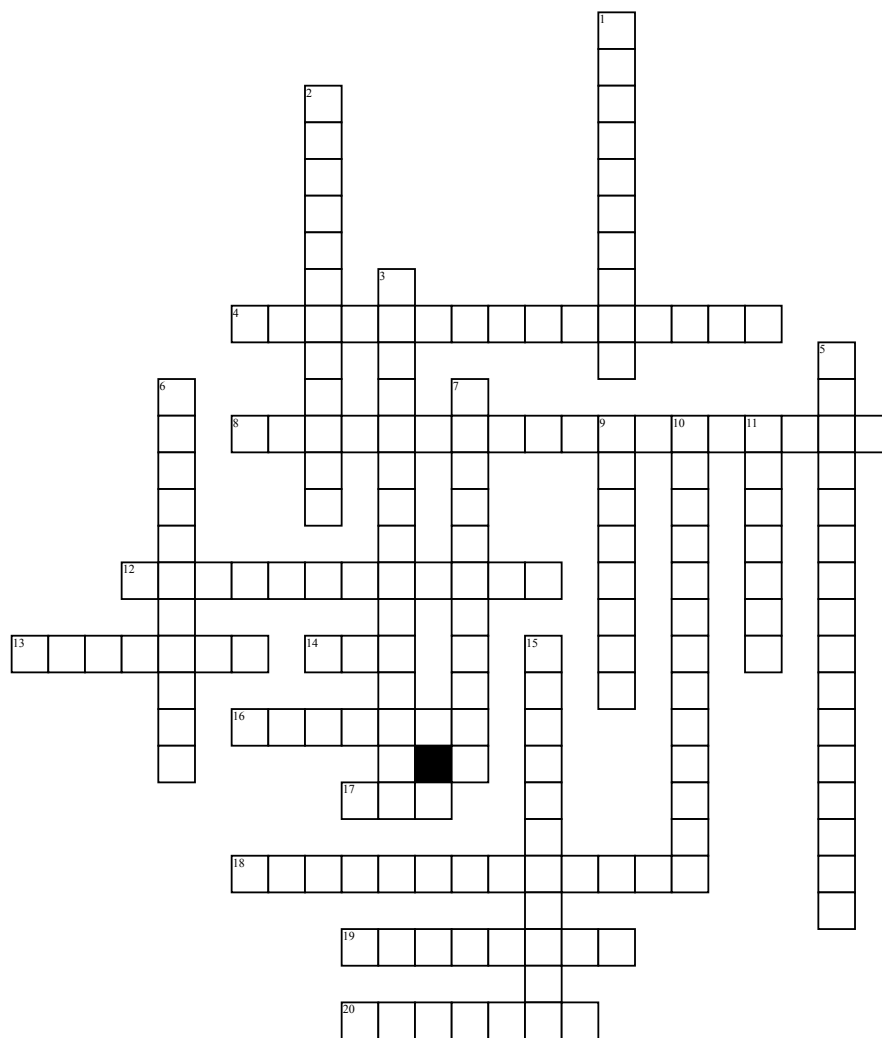


Name: _____ Date: _____ Period: _____

Biology 1 Honors DNA Crossword



Across

4. Cells uniquely suited to perform a particular function.
 8. Mutation that involves insertion or deletion of a nucleotide in the DNA sequence.
 12. A copying process by which a cell duplicates it's DNA.
 13. Contains DNA and the control center of the cell.
 14. The material that contains the information that determines inherited characteristics.
 16. Carries hereditary information in DNA and RNA, also combined with cytosine

17. A nucleic acid that plays an important role in the production of proteins.

18. Gene mutation in which a single base pair in DNA has been changed.

19. Also carries hereditary information in DNA and RNA, while being combined with guanine.

20. Carries energy molecules and combines with thymine.

Down

1. A building block of DNA consisting of a 5-carbon sugar, bonded with a nitrogen base, and a phosphate group.

2. A DNA nucleotide containing nitrogen, a sugar molecule, and a phosphate group.

3. A process in which cells become specialized in structure and functions.

5. Forming proteins based on information in DNA and carried out by RNA.

6. The shape of a DNA.

7. Threadlike structures made of DNA molecules that contain genes.

9. An error in the gene replication process.

10. An organic process whereby the DNA sequence in a gene copied into mRNA

11. Carries hereditary information and combines with adenine.

15. A process by which mRNA is decoded and a protein is produced.

Word Bank

Adenine	DNA	Specialized Cell	Differentiation	Chromosomes
Transcription	Nucleotide	Nitrogen Base	Point Mutation	Frameshift Mutation
Guanine	Thymine	Double Helix	Mutation	Translation
Protein Synthesis	RNA	Cytosine	Replications	Nucleus