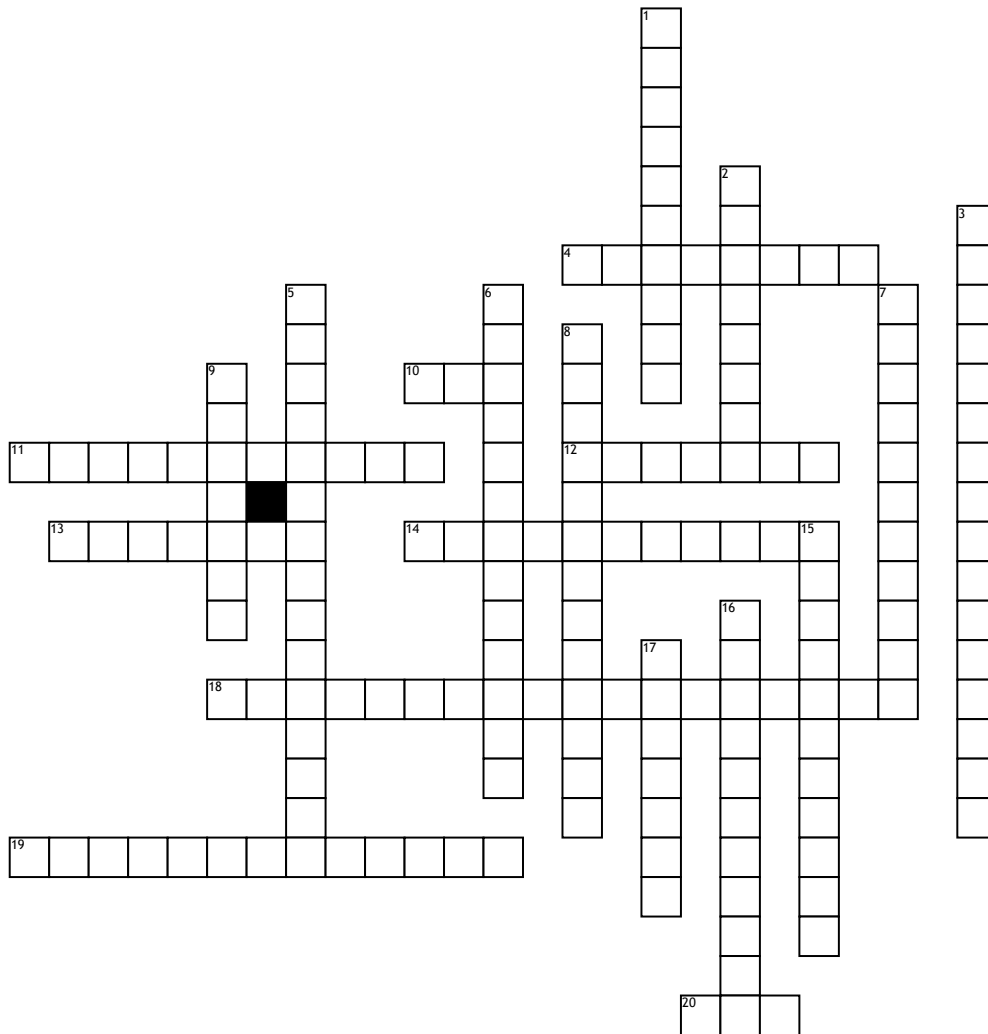


Name: _____

Date: _____

Biology 1 Crossword Puzzle for DNA



Across

4. a random error in gene replication that leads to a change
 10. double helix, deoxyribose nucleic acid
 11. a two adjacent polynucleotide strands wound into a spiral shape
 12. a part of the cell that holds the DNA
 13. A component of nucleic acid, that is also known as T
 14. tread like structures made of DNA molecules that contain the genes

18. mutation that shifts the genetic message by inserting or deleting a nucleotide

19. molecules that contain nitrogen and other elements

20. single stranded nucleic acid

Down

1. monomer of nucleic acids made of sugar, phosphate, and nitrogen base.

2. a component of nucleic acid, also known as C

3. forming proteins based on info. in DNA and carried out by RNA

5. process in which cells become specialized in structure and function

6. the organic process whereby the DNA sequence in a gene is copied into mRNA

7. copying process by which a cell duplicates its DNA

8. gene mutation in which a single base in DNA has been changed

9. a component of nucleic acid, also known as A

15. having one use among many possible uses

16. process by which mRNA is decoded and a protein is produced

17. a component of nucleic acid, that is also known as G

Word Bank

Nitrogen bases

nucleus

protein synthesis

RNA

Adenine

Point mutation

Replication

DNA

Chromosomes

Thymine

Cytosine

Nucleotide

Guanine

Specialized

double helix

Transcription

Frameshift mutation

Differentiation

Mutation

Translation