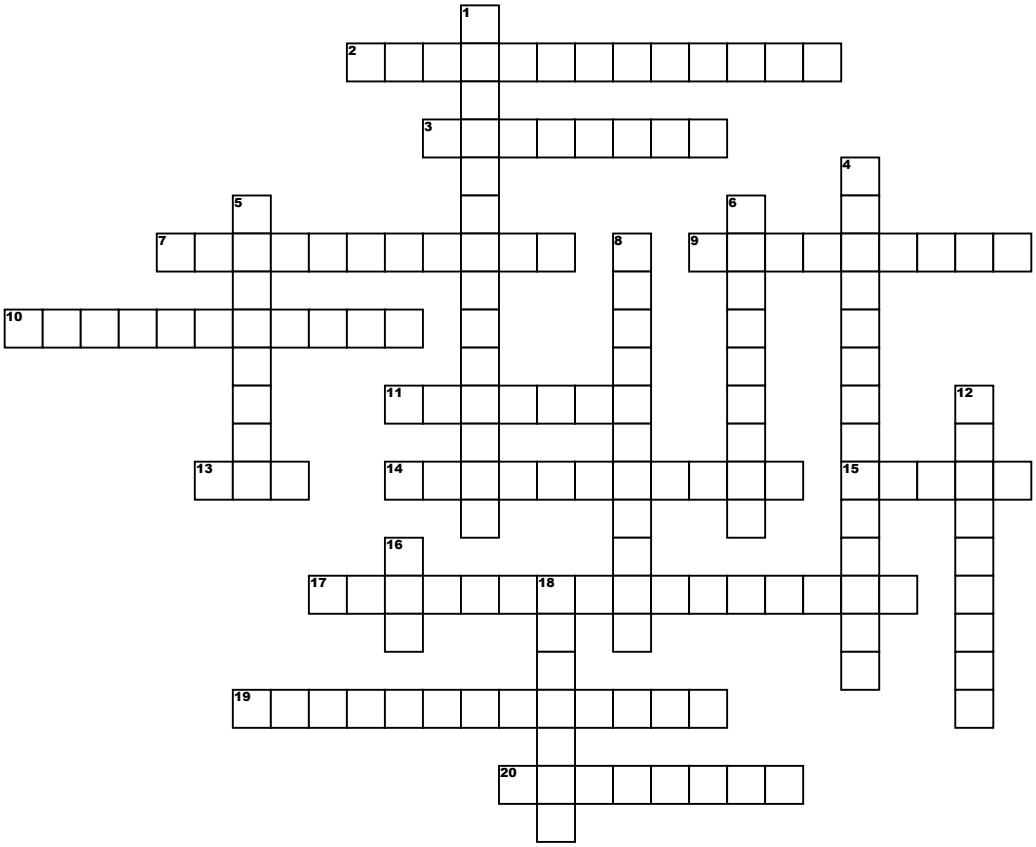
Name: _____ Date: _____ Period: _____

Unit 4 Vocabulary



Across

2. the process by which the information in a strand of DNA is copied into a new molecule of messenger RNA (mRNA).

3. the first phase in mitosis/meiosis

7. The formation of the DNA strand.

9. The phase where the cell is about to split

10. the process of translating the sequence of a messenger RNA (mRNA)

11. a type of cell division that results in two daughter cells each having the same number and kind of chromosomes as the parent nucleus, typical of ordinary tissue growth.

13. ribonucleic acid

14. a sugar derived from ribose by replacing a hydroxyl group with hydrogen.

15. a sequence of three nucleotides that together form a unit of genetic code in a DNA or RNA molecule.

17. the sequencing of human DNA in order to discover genetic differences, anomalies, or mutations that may prove pathological.

19. a nitrogen-containing molecule that has the same chemical properties as a base

20. the stage of meiotic or mitotic cell division in which the chromosomes move away from one another to opposite poles of the spindle.

Down

1. copying dna

4. a discipline of science that applies existing scientific knowledge to develop more practical applications, like technology or inventions.

5. A change in the DNA (can be good or bad)

6. the phase in mitosis/meiosis where the chromosomes line up in the middle of the cell

8. a science depending on deductions from demonstrated truths, such as mathematics or logic, or studied without regard to practical application

12. a salt

16. deoxyribonucleic acid

18. copying an organism or thing

Word Bank

Translation	dna	Dna Replication	Cloning
Genetic screening	Metaphase	Phosphate	Deoxyribose
Telophase	Double Helix	Applied science	Pure Science
RNA	Codon	Prophase	Mutation
Anaphase	Nitrogeon Base	Transcription	mitosis

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