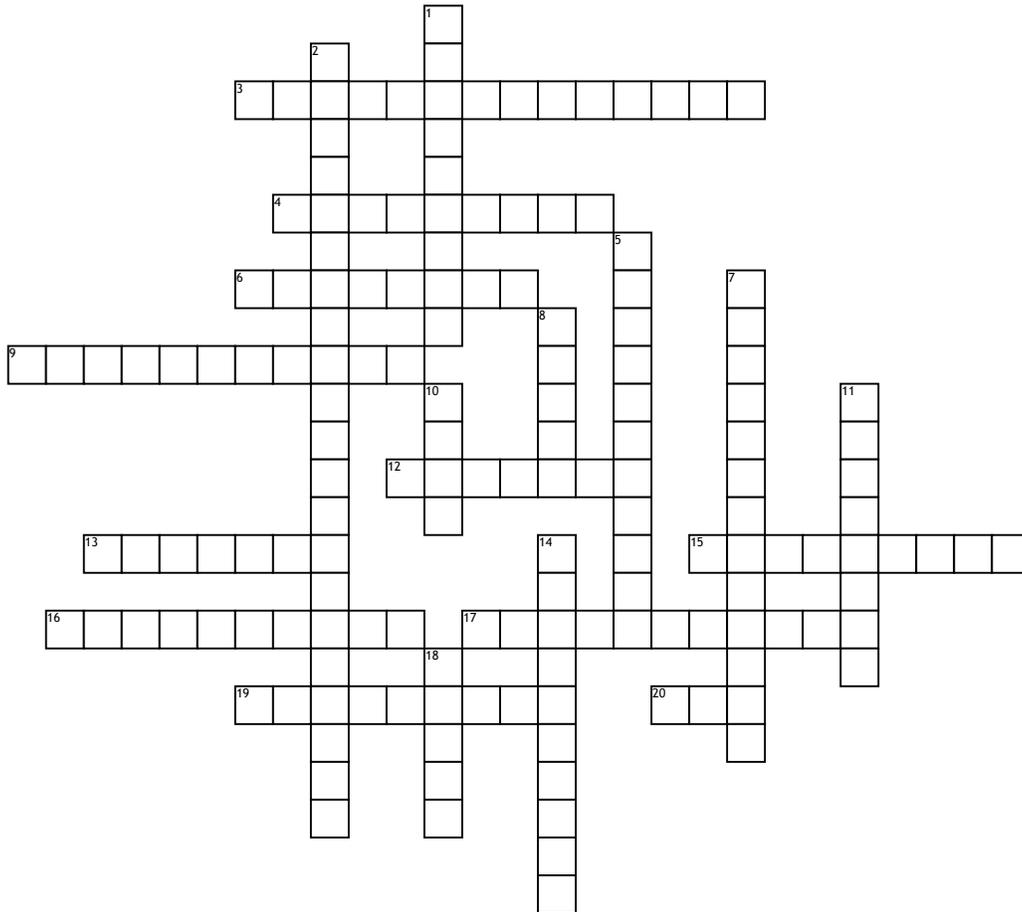


genetics



Across

- 3. Identification of criminals or victims, bodies that cannot be identified in other ways by DNA
- 4. A change in the protein structure can be caused by
- 6. Insulin made by genetically engineered (blank) for human diabetes
- 9. (blank) introducing healthy genes to fix mutated, harmful genes
- 12. Once mRNA is created, it moves out of the
- 13. Adenine pairs with
- 15. Rna is delivered to the

- 16. (chemical building blocks) from inside the cell are used to make protein.
- 17. The amino acids chemically combine together at the ribosome by a process called
- 19. Mutations are caused by
- 20. Almost every cell in the human body has (blank) meters of DNA

Down

- 1. determines function in proteins
- 2. DNA gives each organisms (blank)
- 5. DNA is often wrapped around proteins and coiled into strands that are found in the nucleus of Eukaryotes called

- 7. The process of making a working copy of the original code is called
- 8. the change in the DNA changes the
- 10. DNA is a code made of (blank) letters that are chemical bases
- 11. Guanine pairs with
- 14. At the ribosome, the message is (blank) into a protein
- 18. (blank) are segments of nucleotides located on the chromosomes that give specific instructions for traits.

Word Bank

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|-------------|----------------|-------------|------------------------|
| mutagenes | two | chromosomes | shape |
| Thymine | gene therapy | Bacteria | Transcription |
| Translation | ribosomes | mutations | amino acids |
| Translated | fingerprinting | four | unique characteristics |
| nucleus | Cytosine | genes | structure |