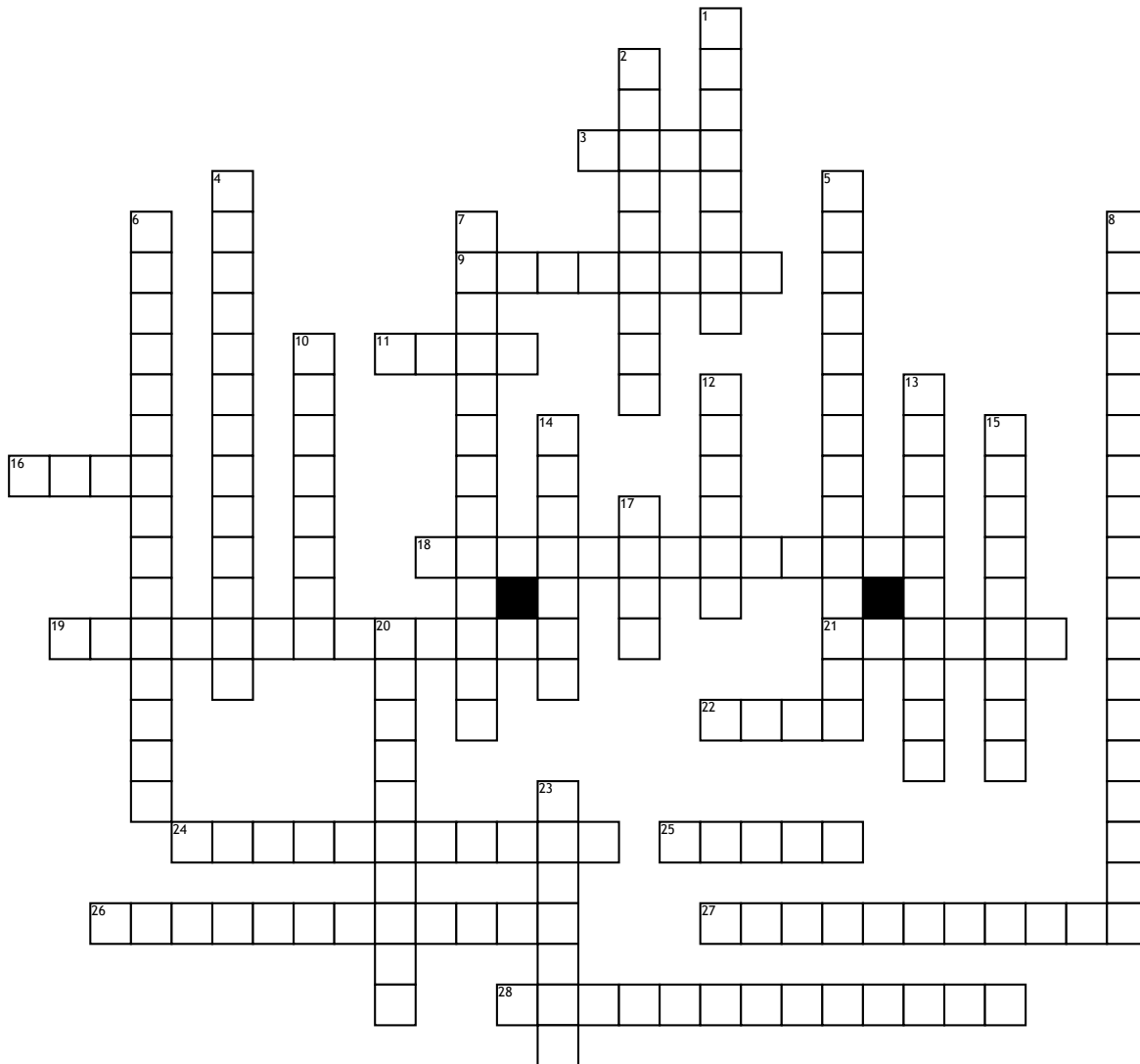


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Unit 5 Crossword



## Across

3. type of RNA that makes up the major part of ribosomes  
 9. region of chromosome in an operon to which the repressor binds when the operon is turned off  
 11. RNA molecule that transfers amino acids to ribosomes  
 16. sequence of DNA that codes for a protein  
 18. virus that infects bacteria  
 19. Part of a nucleotide sequence of DNA is copied into a complementary sequence in RNA  
 21. intervening sequence of DNA; does not code for protein  
 22. expressed sequence for DNA; codes for a protein  
 24. decoding of an mRNA message into a polypeptide chain

25. codes for a single amino acid

26. principle that bonds DNA

27. copying process by which a cell duplicates DNA

28. enzyme that proofreads new DNA strands

## Down

1. change in a DNA sequence

2. granular material visible within the nucleus

4. binds to DNA and separates the DNA strands during transcription

5. process in which one strain of bacteria is changed by a gene or genes from another strain of bacteria

6. cells become specialized in structure and function

7. mutation that affects a single nucleotide

8. mutation that shifts the reading frame of the genetic message by inserting or deleting a nucleotide

10. region of DNA that indicates to an enzyme where to bind to make RNA

12. group of genes operating together

13. monomer of nucleic acids

14. globular protein molecule around which DNA is tightly coiled around chromatin

15. group of three bases on a tRNA molecule that are complementary to an mRNA codon

17. RNA molecule that carries copies of instructions

20. condition in which an organism has extra sets of chromosomes

23. a group of related genes that control the body plan of an embryo