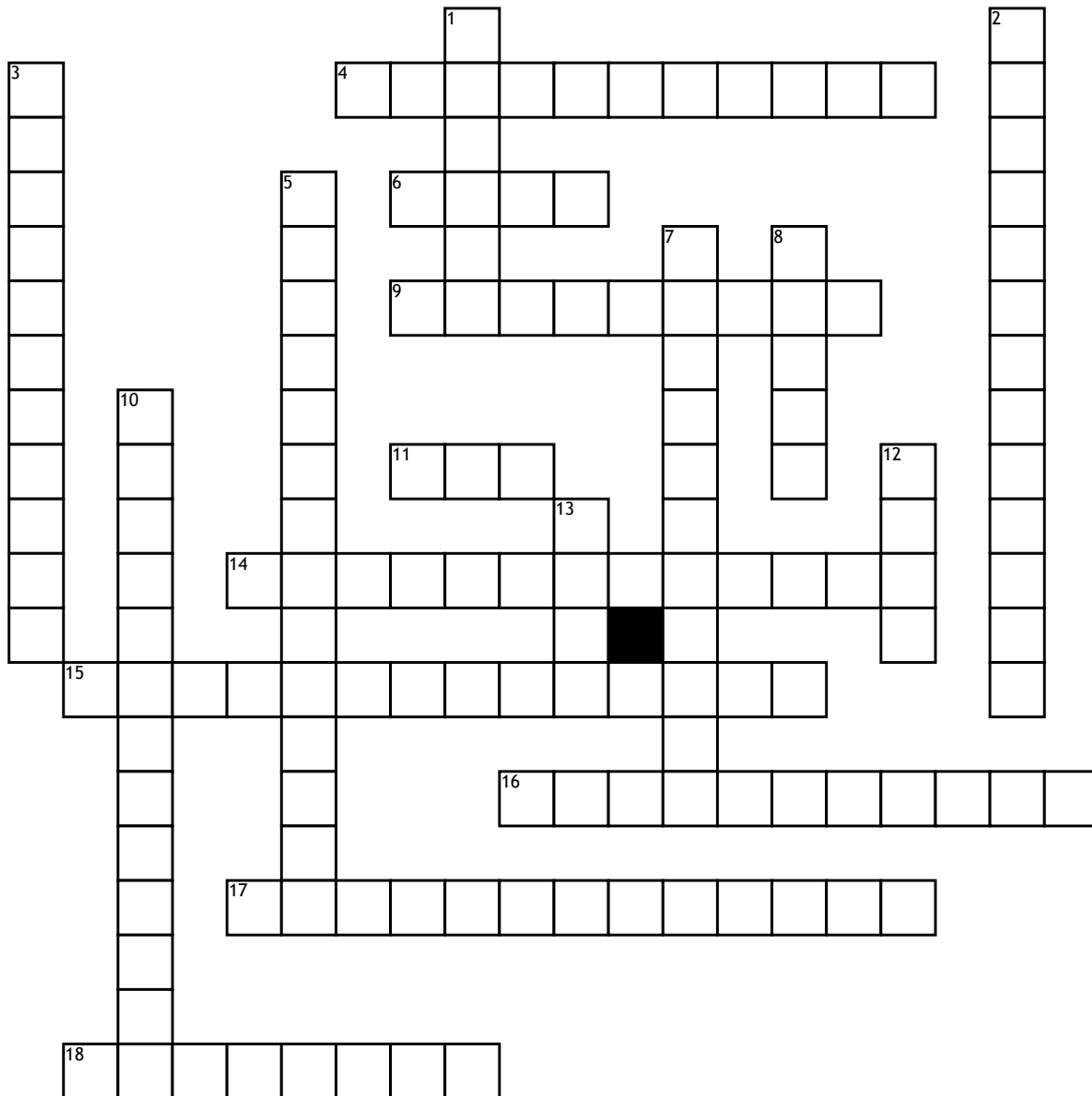


Name: \_\_\_\_\_

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

# Gentics



## Across

4. Collection of codons from mRNA, each of which directs the incorporation of particular amino acids into a protein during synthesis
6. type of RNA that carries copies of instructions for the assembly of amino acids into proteins from DNA to the rest of the cell
9. Group of three bases on tRNA molecule that are complementary to the three bases of codon of mRNA
11. Single stranded Neucleic acid that contains the sugar ribose
14. Synthesis of RNA molecule from a DNA template

15. Process which one strain of bacteria is changed by a gene or genes from another strain of bacteria.

16. Principal that bonds in DNA can only form between adenine, thymine, and between guanine, Cytosine

17. Principal enzyme involved in DNA Replication

18. Repetitive DNA at the end of a eukaryotic chromosomes

## Down

1. Sequence of DNA that is not involved in coding for protein
2. Enzyme that links together the growing chain of RNA nucleotides during transcription using DNA strands as a template

3. Copying DNA prior to Cell Division

5. Process which gene produces its product and the product carries out its function

7. Long Chain of Amino Acids that make proteins

8. Group of three nucleotides bases on mRNA that specify a particular amino acids to be incorporated into a protein

10. Kind of Virus that infects bacteria

12. type of RNA that combines with proteins to form ribosomes

13. Type of RNA that carries amino acids to ribosomes during protein synthesis