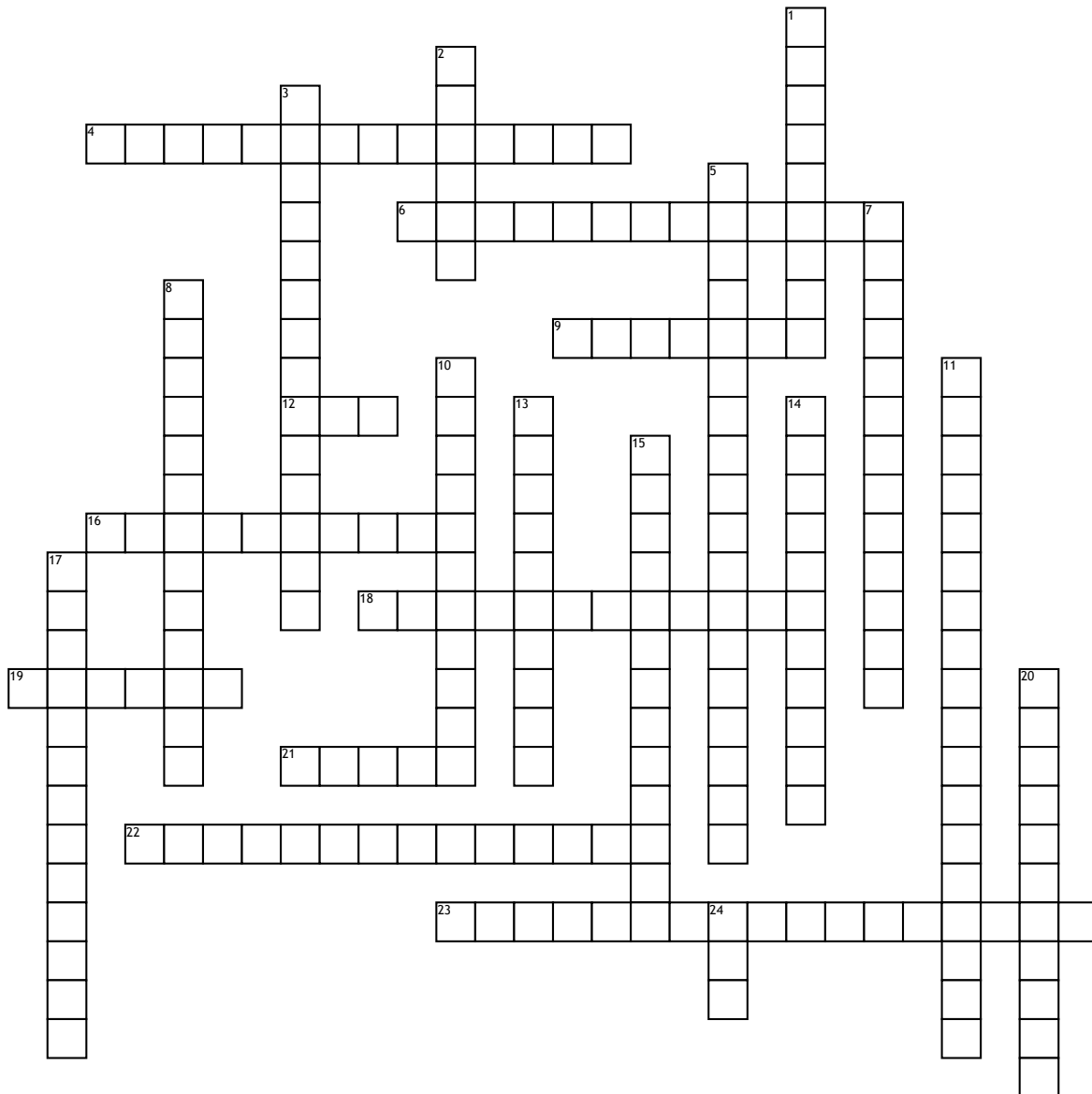


Name: _____ Date: _____ Period: _____

Transcription/Translation



Across

4. states that DNA from and cell all organisms should have 1:1 ratio of Pyrimidine and purine bases
 6. ribonucleic acid polymerase
 9. A molecule composed of polymers of amino acids joined together by peptide bonds
 12. Deoxyribonucleic acid
 16. a base that is constituent of DNA or RNA
 18. a simple nitrogen containing a molecule that has the same properties as the base
 19. a compound found in living tissue as a constituent base of RNA
 21. The things that hold your chromosomes

22. lack a distinct cell nucleus and their DNA

23. RNA consisting of folded molecules that transport amino acids from the cytoplasm

Down

1. material which chromosomes of organisms are composed of
 2. 2 of the 5 bases in nucleic acid are adenine and guanine, are purines
 3. Founders of DNA
 5. DNA as a sequence of bases is transferred to a ribosome.
 7. replication is a conserved mechanism that restricts DNA replication to only once per cell cycle
 8. the process by which the information in a strand of DNA is copied into a new molecule of messenger RNA

10. a subunit of nucleic acid formed from sugar

11. Ribosomal ribonucleic acid
 13. threadlike structure of nucleic acids and protein found in the nucleus of most living cells
 14. Twisted ladder shape/formed by 2 nucleotides
 15. a professor of biochemistry in Columbia University
 17. weak electrostatic bond formed by the attraction of opposite charges
 20. the process in which ribosomes in a cell's cytoplasm create proteins
 24. ribonucleic acid