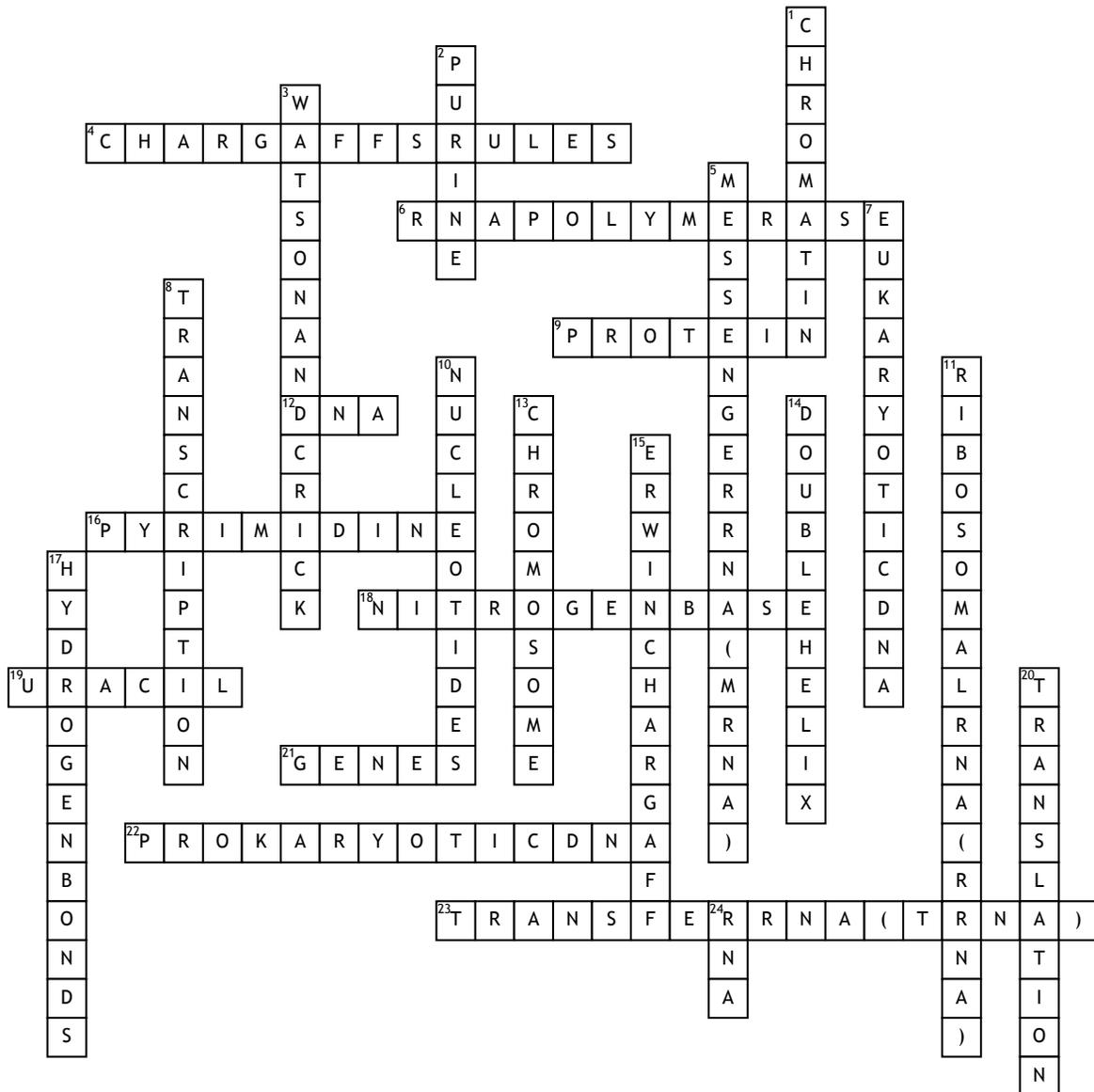


Transcription/Translation



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