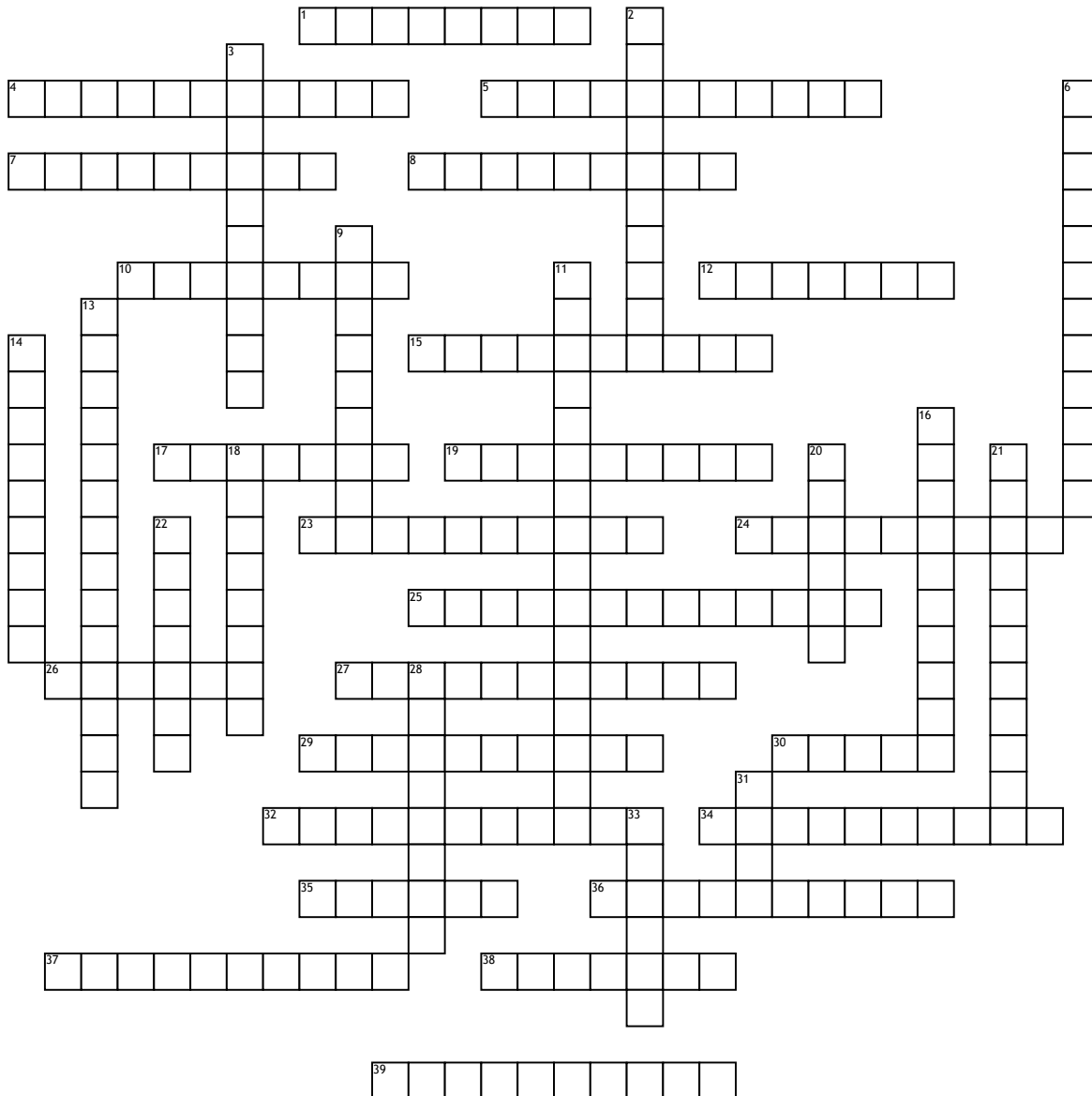


Biology 1101 Exam 2 Vocabulary



Across

1. Enzyme composed of RNA and protein
4. Inheritance without changing DNA sequence
5. Histone modification that increases gene expression
7. Everything other than sex chromosome (plural)
8. Molecules to be acted upon by enzymes
10. Change in the sequence of bases in DNA
12. Production of gametes
15. Condensed DNA
17. Two copies of each chromosome
19. ONE copy of DNA after replication
23. Step where all living organisms harness energy from food
24. Chemical group associated with adenosine that has high potential energy
25. Bacterial reproduction (two words)
26. All of the DNA in a cell

27. Histone modification that decrease gene expression
 29. Basic unit of DNA
 30. Genetically identical individual
 32. Consumes the remains of dead organisms
 34. All chemical reactions that occur inside living cells
 35. Location in the mitochondria where the Krebs cycle occurs
 36. DNA sequence change of addition or deletion of other than 3 nucleotides
 37. Majority of cells are in this phase
 38. Speeds up biological reactions
 39. Abnormal number of chromosomes
- Down**
2. Stacks of membranes found in chloroplasts
 3. The end of a gene
 6. Energy production in the absence of oxygen

9. Type of energy in molecules like glucose and triglycerides
11. DNA replication process where new DNA is a mix of old and new
13. Energy is gathered from the sun to produce carbohydrates
14. Image of all chromosomes from a diploid cell
16. AUG
18. Organism that capture sunlight energy and use it to produce sugar from CO₂ and H₂O
20. Component of light
21. Final step of cell division where daughter cells separate
22. Protein that wrap DNA
28. Protective DNA cap at the end of chromosomes
31. Codes for a single protein
33. Location of Calvin Cycle