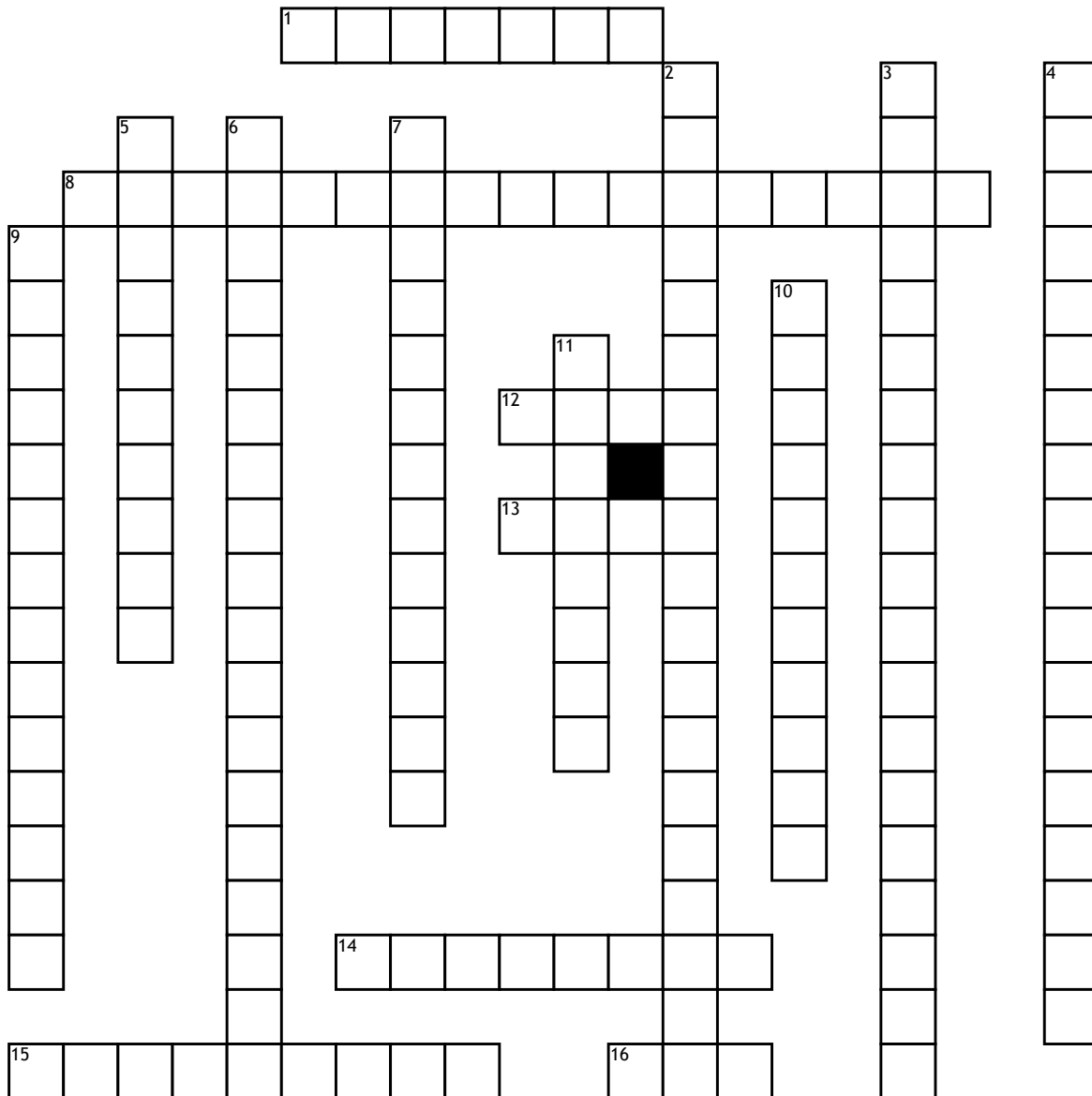


Biotechnology



Across

1. Important biological molecule composed of long chains of amino acids; component of all cells and living organisms
8. Mating and producing offspring of animals or plants for specific traits (artificial selection)
12. Basic unit of structure and function for all living organisms; contains genetic material and proteins
13. Segment of DNA that provides the information about a trait
14. Unicellular prokaryotic organisms with many important applications in the field of biotechnology

15. Scientific techniques used in crime scene investigations
16. Deoxyribonucleic acid; contains all hereditary information for a living organism (located within each cell of an organism)
- ## Down
2. Reproduction involving only one parent
3. Branch of biotechnology that alters the genes in biological organisms to achieve a medicinal or agricultural purpose
4. A genetically modified organism with a gene from another living organism inserted into its genetic code (human insulin producing bacteria)

5. An antibiotic (used to treat bacterial infections) produced naturally from certain types of mold
6. Reproduction involving two parents, allows for the recombination of genes (leads to genetic diversity)
7. Field of study using living organisms to help manufacture medicine or other beneficial technologies
9. Using biotechnology techniques to solve environmental issues
10. Science related to farming and raising crops for consumption
11. The study of heredity and the passing of genes from parent to offspring