

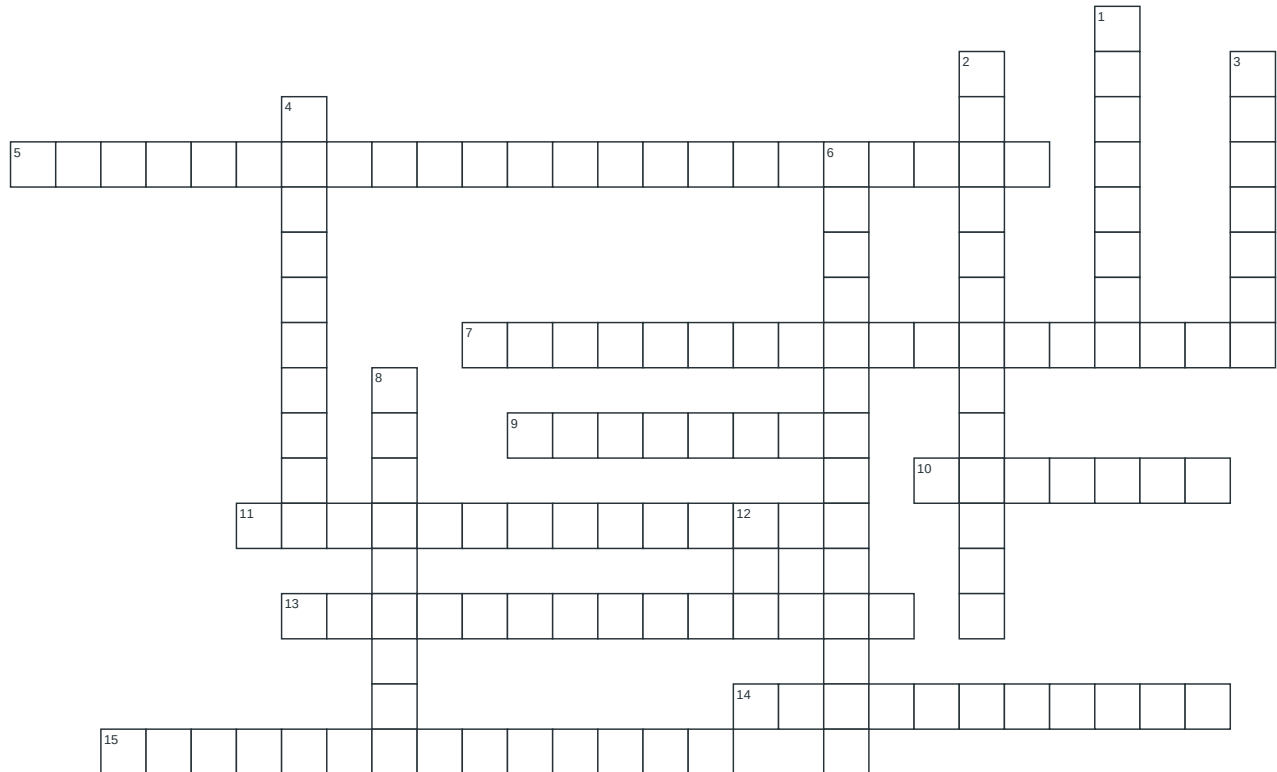
Biotechnology Crossword

Medium | 15 clues | Student Worksheet

Name: _____

Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.

**ACROSS**

5. Making many copies of a selected DNA region
7. Method that separates DNA fragments by size using an electric field
9. Rigid outer layer that supports many plant, fungal, and bacterial cells.
10. Small DNA molecule separate from a bacterium's main chromosome
11. DNA molecule assembled from genetic material from different sources
13. Organelle that modifies, sorts, and packages many proteins.
14. Organelle where photosynthesis occurs in plants and algae.
15. Boundary that regulates exchange between a cell and its surroundings.

DOWN

1. Cell structure that assembles proteins.
2. Use of organisms or biological processes to make useful products
3. Membrane-bound organelle that contains most eukaryotic DNA.
4. Cell type that lacks a membrane-bound nucleus.
6. Plant-cell compartment that stores water and helps maintain pressure.
8. Cell contents outside the nucleus and inside the plasma membrane.
12. Molecule that stores hereditary information in most cells

Biotechnology Crossword

Medium | 15 clues | Teacher Answer Key

TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



ACROSS

5. Polymerase Chain Reaction
7. Gel Electrophoresis
9. Cell wall
10. Plasmid
11. Recombinant DNA
13. Golgi apparatus
14. Chloroplast
15. Plasma membrane

DOWN

1. Ribosome
2. Biotechnology
3. Nucleus
4. Prokaryote
6. Central vacuole
8. Cytoplasm
12. DNA