

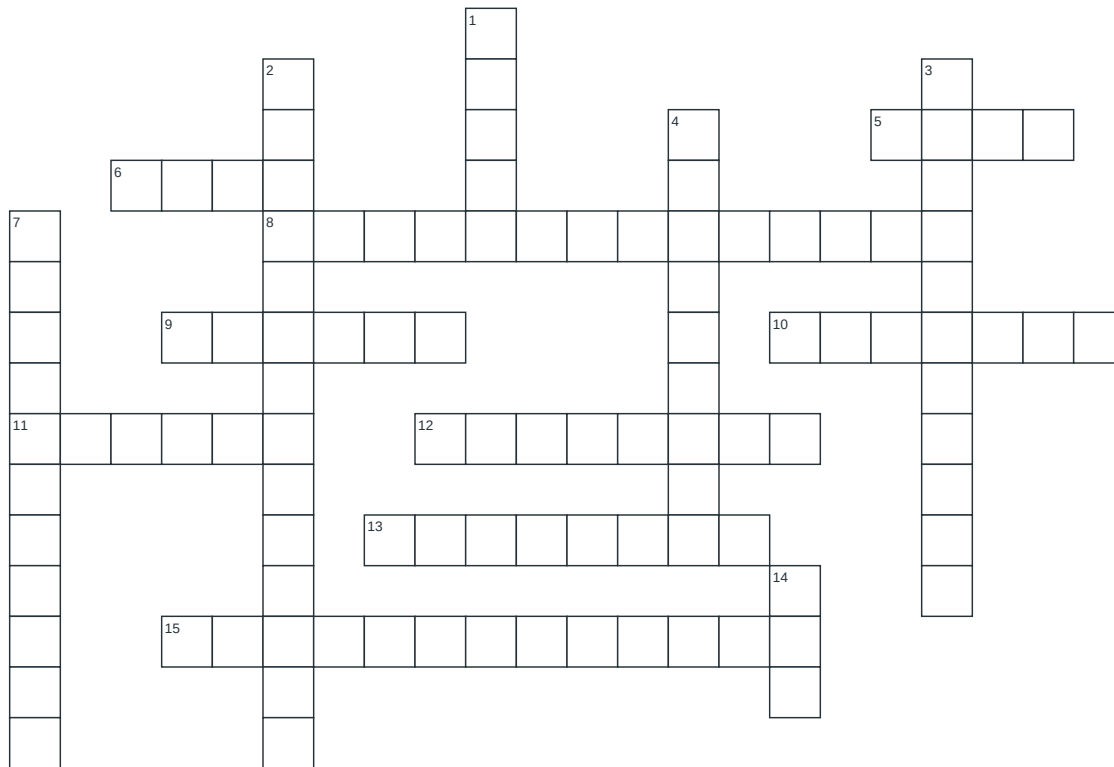
DNA RNA and Protein Synthesis Crossword

Medium | 15 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

5. RNA molecule that carries an amino acid to a ribosome
6. One DNA strand reads ACGT. Which bases pair directly across from it
8. A supplied key says GCU and GCC both encode alanine. What follows from changing GCU to GCC
9. RNA base that generally replaces thymine
10. Membrane-bound organelle that contains most eukaryotic DNA.
11. Five-carbon sugar found in RNA
12. Rigid outer layer that supports many plant, fungal, and bacterial cells.
13. Cell structure that assembles proteins.

ACROSS (continued)

15. Synthesis of RNA from a DNA template
- ### DOWN

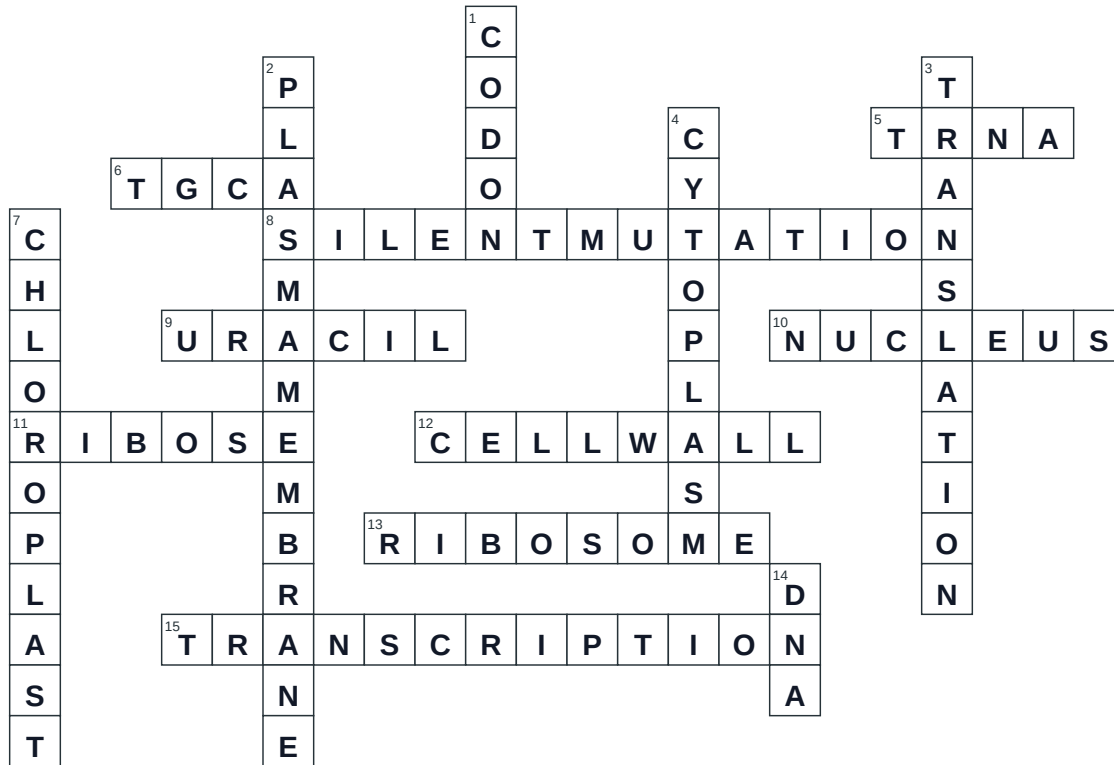
1. Three-nucleotide sequence in messenger RNA that specifies an amino acid or stop
2. Boundary that regulates exchange between a cell and its surroundings.
3. Use of an RNA message to assemble a polypeptide
4. Cell contents outside the nucleus and inside the plasma membrane.
7. Organelle where photosynthesis occurs in plants and algae.
14. Molecule that stores hereditary information in most cells

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Medium | 15 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

5. tRNA
6. TGCA
8. Silent Mutation
9. Uracil
10. Nucleus
11. Ribose
12. Cell wall
13. Ribosome

ACROSS (continued)

15. Transcription

DOWN

1. Codon
2. Plasma membrane
3. Translation
4. Cytoplasm
7. Chloroplast
14. DNA