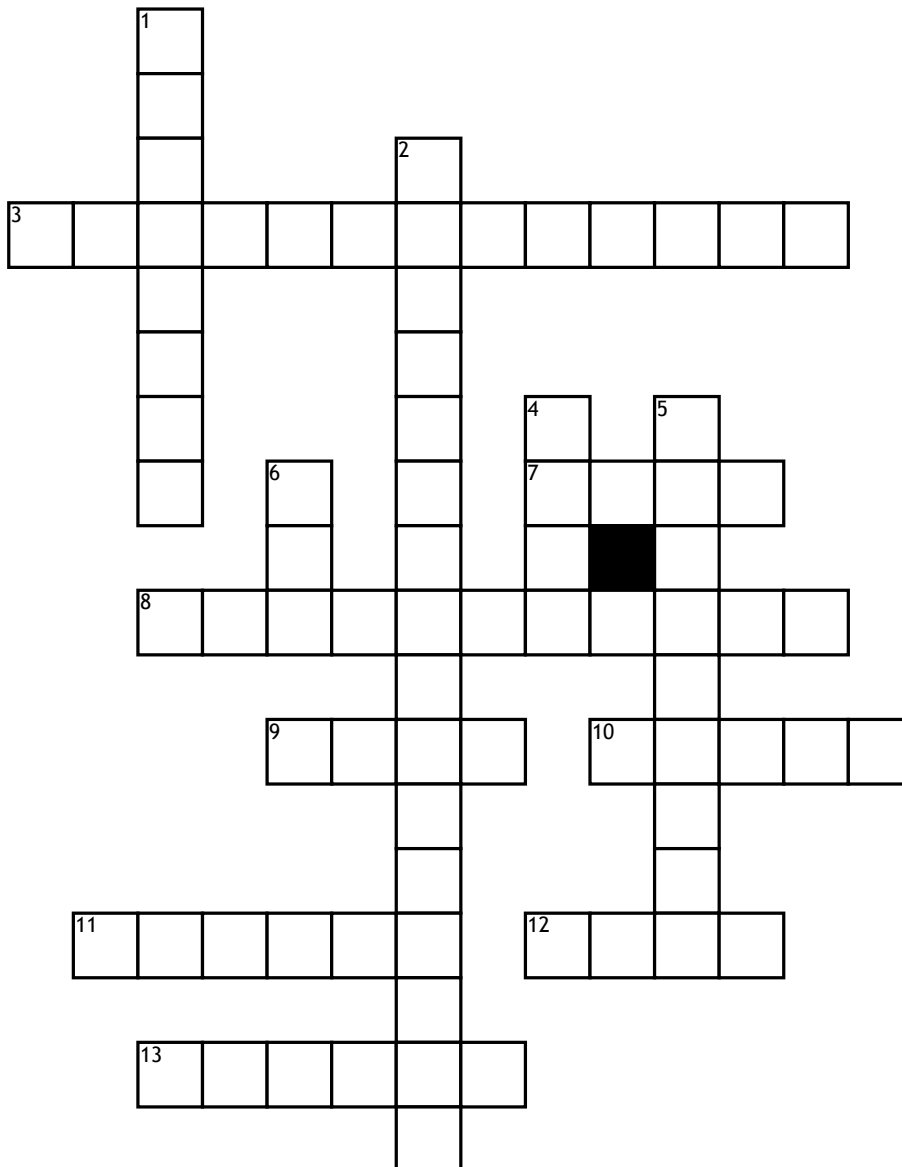


DNA and RNA Vocabulary



Across

3. Process in which part of the nucleotide sequence of DNA is copied into a complementary sequence of RNA
7. Type of RNA molecule that makes up the major part of a ribosome.
8. Decoding of a mRNA message into an amino acid chain forming a protein.
9. Type of RNA molecule that carries copies of instructions for the assembly of amino acids into proteins from DNA to the rest of the cell.

10. A 3 nucleotide sequence on mRNA that codes for a single amino acid.

11. A 5-carbon sugar
12. The sequence of DNA that directs the formation of a protein and thus determines a trait.
13. A nitrogen base found only in RNA; only pairs with adenine

Down

1. Change in a DNA sequence that affects genetic information

2. Formation of proteins using information coded on DNA and carried out by RNA. It is the assembly of amino acids into a specific protein

4. Type of RNA molecule that transfers amino acids to ribosomes during protein synthesis.

5. A group of 3 bases on a tRNA molecule that are complementary to an mRNA codon

6. Receives the genetic code from the DNA and uses it to assemble amino acids into proteins