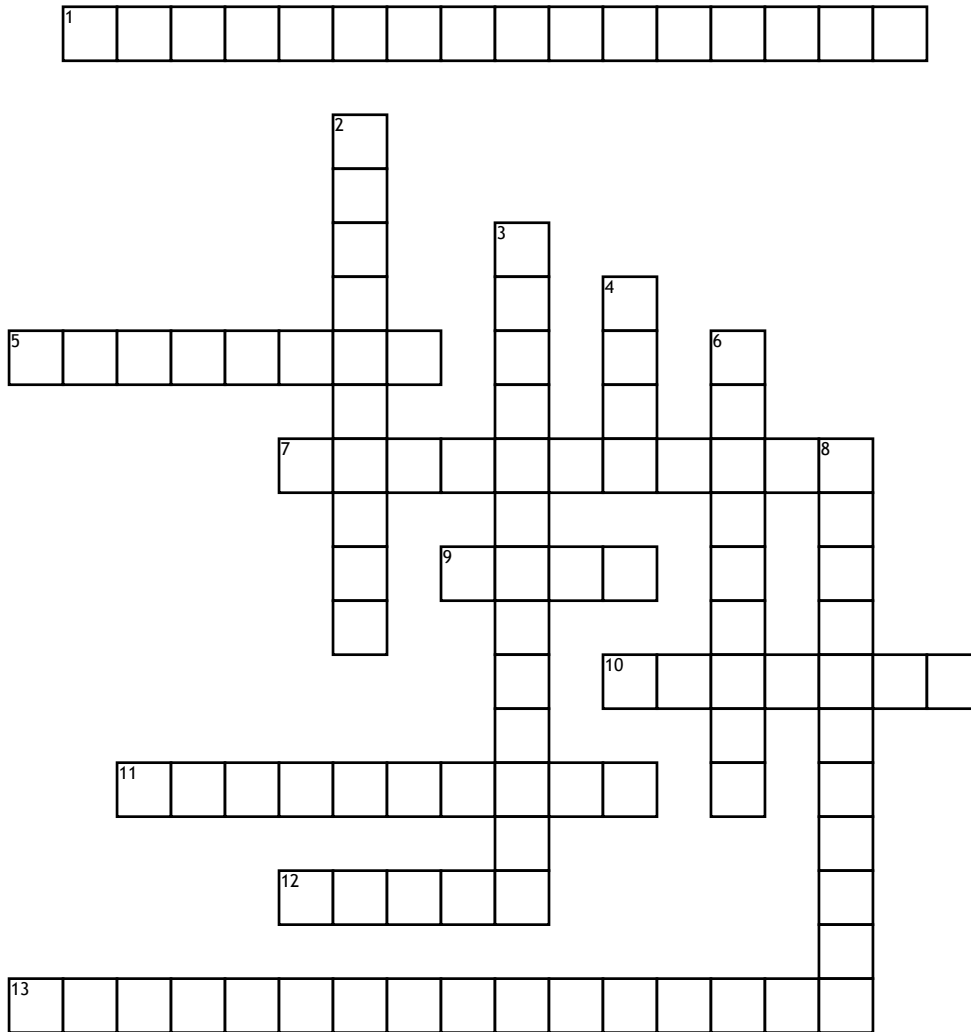


Protein Synthesis Vocab



Across

- 1. A polymer of amino acids joined together by peptide bonds
- 5. A minute, sphere-shaped particle composed of protein and ribonucleic acid (RNA) that serves as the site of protein synthesis
- 7. A step in protein biosynthesis where a genetic code from a strand of mRNA is decoded to produce a particular sequence of amino acids
- 9. Abbreviated form for messenger ribonucleic acid, the type of RNA that codes for the chemical blueprint for a protein (during protein synthesis).

- 10. The large, membrane-bounded organelle that contains the genetic material
 - 11. The basic building block of nucleic acid polymers; an organic compound made up of a nitrogenous base, a sugar, and a phosphate group
 - 12. Three bases in the DNA molecule that codes for a particular amino acid
 - 13. The creation of proteins by cells that uses DNA, RNA and various enzymes
- Down**
- 2. an enzyme which brings about the formation of a particular polymer, especially DNA or RNA.

- 3. The process of transcribing or making a copy of genetic information stored in a DNA strand into a complementary strand of RNA (messenger RNA or mRNA) with the aid of RNA polymerases
- 4. A ribonucleic acid RNA involved in protein synthesis, particularly transporting specific amino acid to the ribosome to be added onto the growing polypeptide chain
- 6. The building block of protein in which each is coded for by a codon and linked together through peptide bonds.
- 8. The basic building block of nucleic acid polymers

Word Bank

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|---------------|-------------------|-------------|-------------------|
| Transcription | Ribosome | Translation | Nucleus |
| Amino Acid | Nucleotide | tRNA | Polypeptide Chain |
| Codon | Protein Synthesis | mRNA | Nucleotides |
| Polymerase | | | |