

# DNA, RNA, Protein Synthesis crossword

## Across

**1.** a purine derivative, it is paired with thymine in double-stranded DNA.

**4.** built from a large number of amino acids.

**5.** set of three bases

**10.** where does the mRNA travel to

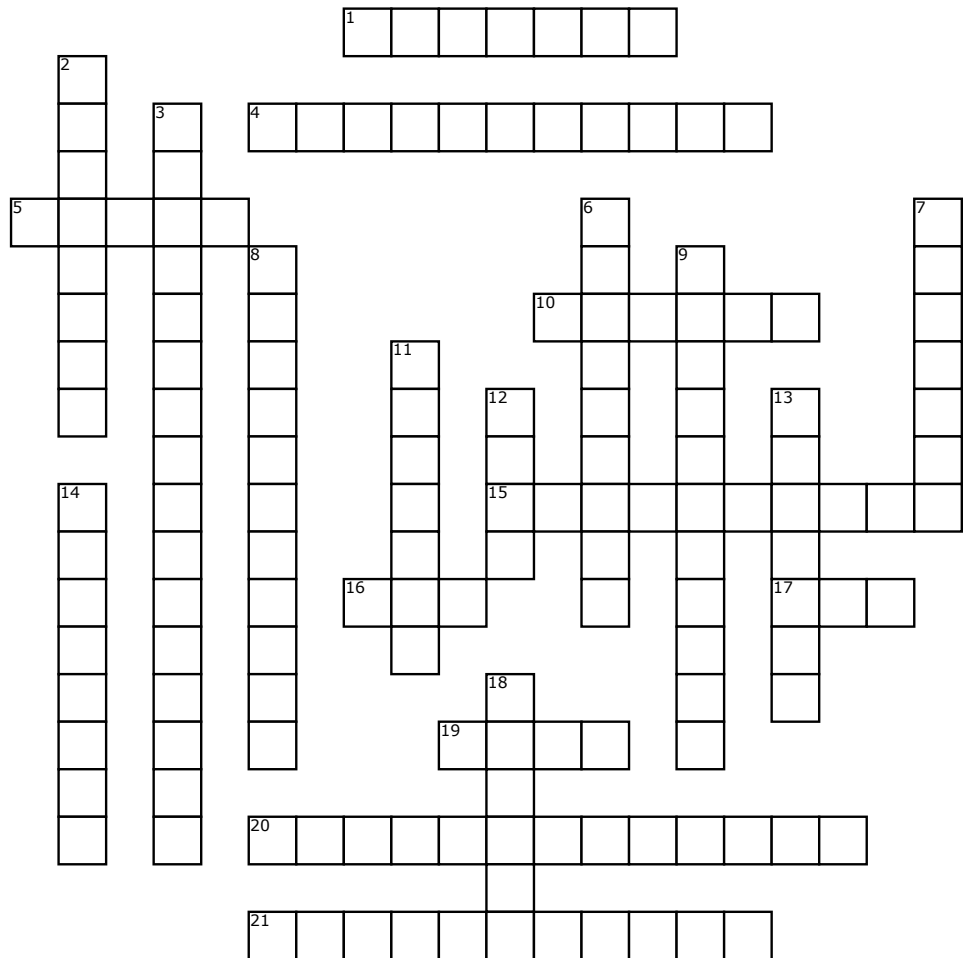
**15.** a compound consisting of a nucleosides linked to a phosphate group.

**16.** a nucleic acid present in all living cell.

**17.** Type macromolecule know a nucleic acid.

**19.** activated by enzyme that attaches a specific amino acid to the end

**20.** the first step of the central dogmainvolves the synthesis of mRNA from DNA in process



**21.** once the mRNA is synthesized and processed, it moves to the ribosome.

**8.** a sugar derived from ribose by replacing a hydroxyl group with hydrogen.

## Down

**2.** it is paired with guanine in double-stranded DNA.

**3.** process by which the genetic code puts together proteins in the cell.

**6.** the building blocks of all biological proteins.

**7.** a pyrimidine derivative, it is paired with adenine in double-stranded DNA

**9.** the shape of DNA.

**11.** a compound that occurs in guano and fish scales.

**12.** messenger RNA, is a subtype of RNA.

**13.** opposite codon

**14.** a sphere- shaped structure within the cytoplasm of the cell that is composed of RNA and protein and is the site of protein synthesis.

**18.** in DNA its place taken by thymine.

