

ACROSS

1	triphosphate is a multifunctional nucleotide that is most important as a molecular currency of intracellular energy transfer.
4	The pyrimidine base pairs with adenine in RNA and is replaced by thymine in DNA
6	is a nucleic acid that contains the genetic instructions used in the development and functioning of all known living organisms.
10	is one of the five main nucleobases found in the nucleic acids DNA and RNA. It is a pyrimidine derivative. In Watson-Crick base
	pairing, it forms three hydrogen bonds with guanine.
11	RNA (abbreviated tRNA) is a small RNA chain that transfers a specific amino acid to a growing polypeptide chain at the
	ribosomal site of protein synthesis during translation.
15	is one of the five main nucleobases found in the nucleic acids DNA and RNA. In base-pairing it binds to cytosine through three
	hydrogen bonds.
16	RNA (rRNA), a type of RNA synthesized in the nucleolus, is the central component of the ribosome, the protein manufacturing
	machinery of all living cells.
17	s are the parts of RNA and DNA that may be involved in pairing. These include cytosine, guanine, adenine, thymine, uracil,
	xanthine and hypoxanthine.
19	is one of the four bases in the nucleic acid of DNA along with adenine, guanine, and cytosine. It always base-pairs with adenine.
	is a nucleoside composed of adenine attached to a ribose moiety via a beta-N9-glycosidic bond.
DC	own
2	A is a chemical compound that consists of 3 portions: a heterocyclic base, a sugar, and one or more phosphate groups.
	is a purine with a variety of roles in biochemistry including cellular respiration, as part of ATP, NAD, and FAD, and protein
	synthesis, as a chemical component of DNA and RNA
5	is a heterocyclic aromatic organic compound, consisting of a pyrimidine ring fused to an imidazole ring.
7	is a heterocyclic aromatic organic compound similar to benzene and pyridine, containing two nitrogen atoms at positions 1 and 3
	of the six-member ring
8	Ribonucleic acid or is a nucleic acid polymer consisting of nucleotide monomers, which plays a number of important roles in the
	processes of translating genetic information from DNA into proteins.
9	is the complex of DNA and protein that makes up chromosomes
12	s are the chief protein components of chromatin, acting as spools around which DNA winds, and playing a role in gene regulation
13	s are glycosylamines made by attaching a nucleobase to a ribose or deoxyribose ring.
	Ribonucleic Acid (mRNA) is a molecule of RNA encoding a chemical blueprint for a protein product.
18	Two nucleotides on opposite complementary DNA or RNA strands that are connected via hydrogen bonds are called a pair.