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 nucleosides linked to a phosphate group.
16. a nucleic acid present in all living cells.
17. Type macromolecule known as a nucleic acid.
19. activated by enzyme that attaches a specific amino acid to the end
20. 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.

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