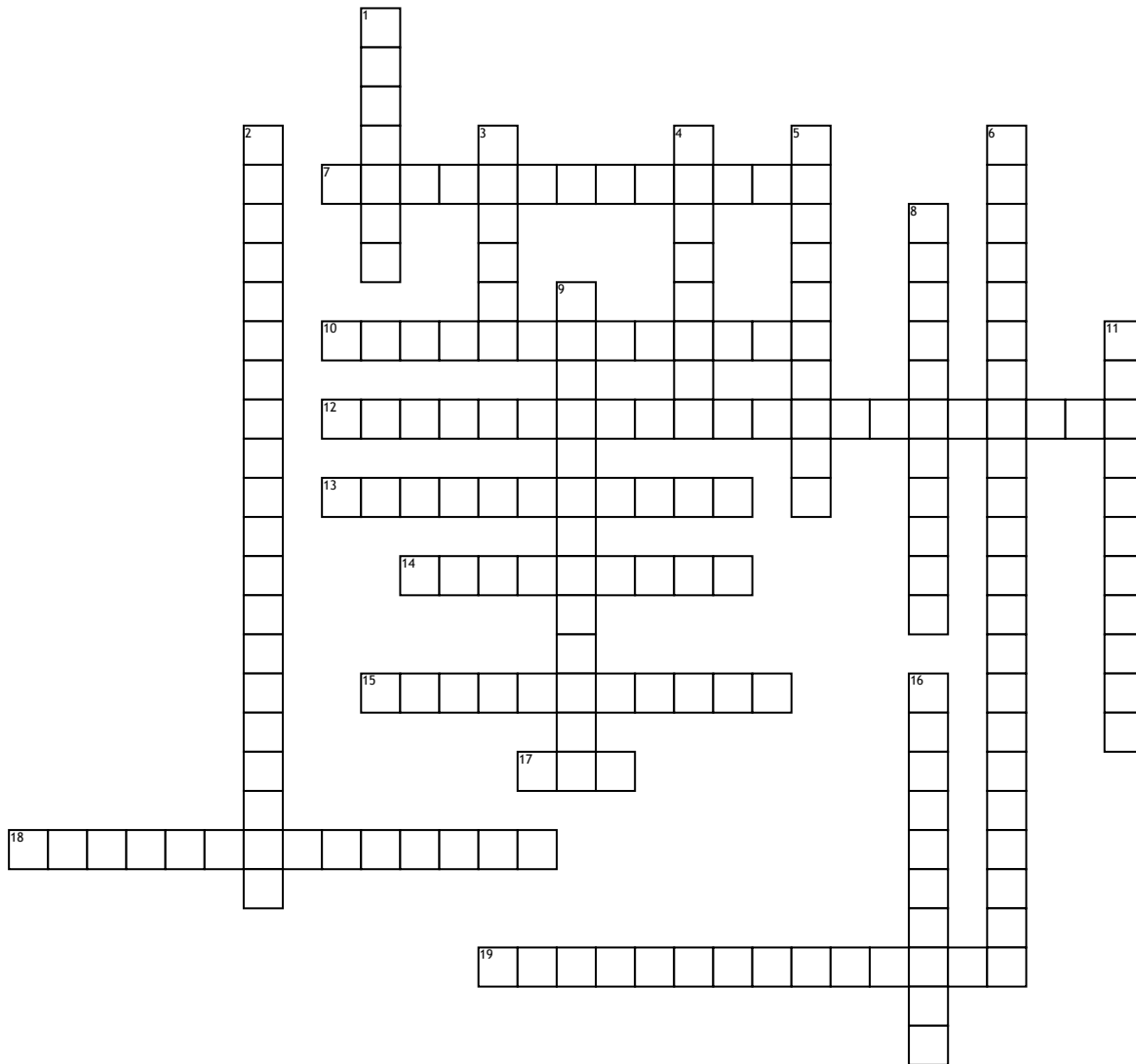


Chapter 10 terms



Across

7. A large molecular complex that links together the growing chain of RNA nucleotides during transcription

10. The synthesis of RNA under the direction of DNA

12. The model for DNA replication is known as _____ because half of the parental molecule is maintained in each daughter molecule.

13. In the 1960's biologists used a series of experiments to crack the _____. The amino acid translations of each of the nucleotide triplets

14. Links pieces of DNA nucleotides together to form a single strand

15. Thymine and cytosine are single ring structures called

17. The nitrogenous base uracil replaces thymine in

18. Viruses that exclusively infect bacteria

19. A nucleotide polymer chain

Down

1. Adenine and guanine are double ring structures called

2. The full name of DNA

3. Genetic instructions for the amino acid sequence of a polypeptide chain are written in DNA & RNA as a series of non overlapping three-base words.

4. A specific nucleotide sequence in DNA located near the start of a gene that is binding site for RNA polymerase and the place where transcription begins

5. A special sequence of nucleotides in DNA that marks the end of a gene. It signals the RNA polymerase to release the newly made RNA molecule.

6. A covalent bond between the sugar of one nucleotide and the phosphate of another

8. DNA has two polynucleotide strands that twist to form this

9. The synthesis of protein under the direction of RNA

11. The enzymes that link DNA nucleotides to a growing daughter 3' strand are called

16. A chain of nucleic acid monomers