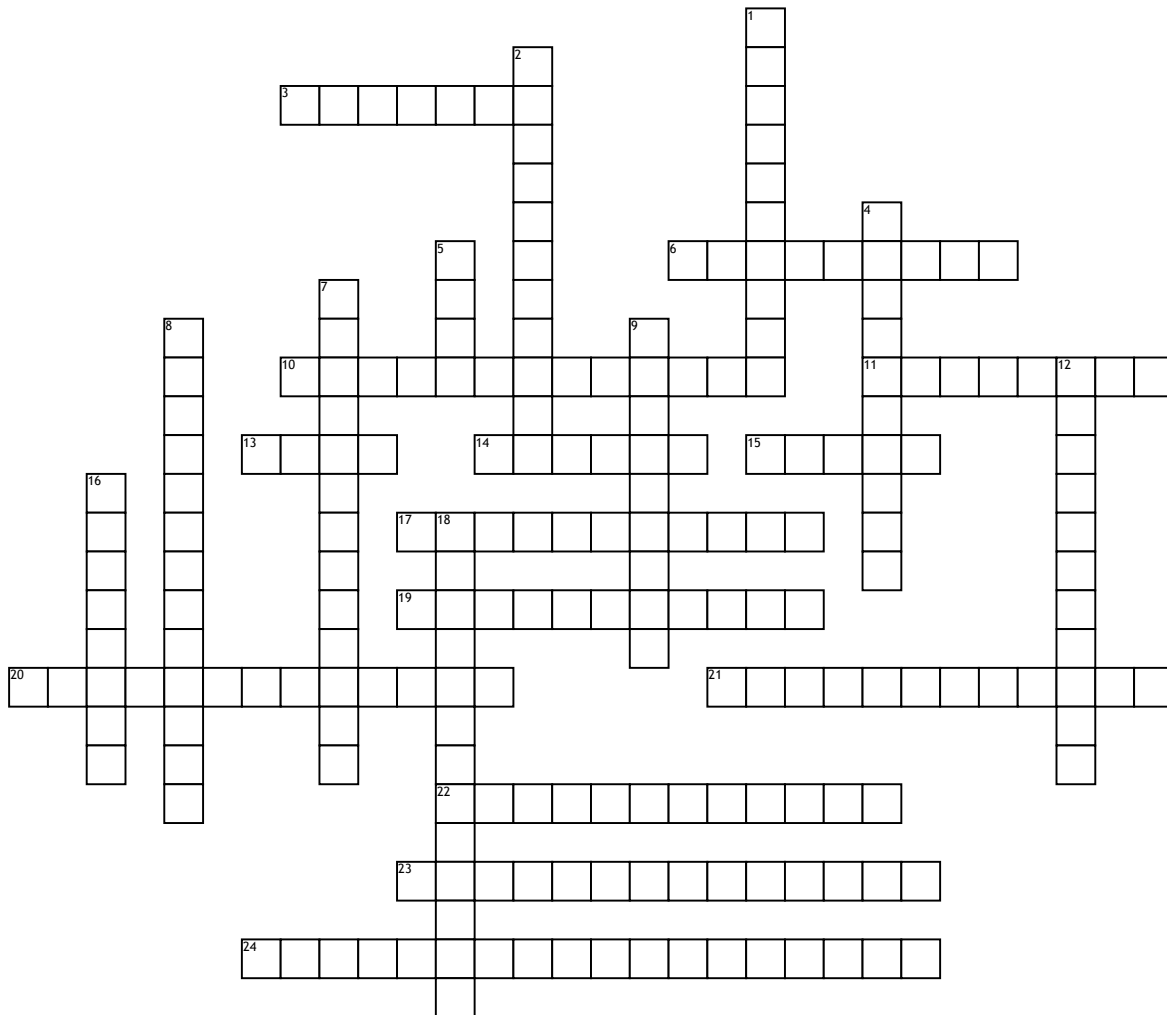


Name: \_\_\_\_\_

# Biology



## Across

- 3. Protein molecule around which DNA is tightly coiled in Chromatin
- 6. group of 3 bases on tRNA molecule that are complementary to an mRNA
- 10. Vines that infects bacteria
- 11. region of DNA that indicates to an enzyme where they bind to make RNA
- 13. expressed sequence of DNA, codes for a protein
- 14. sequence of DNA that is not involved in coding for a protein
- 15. 3 nucleotides sequence on mRNA that together form a single amino acid
- 17. RNA interprets this new strand and creates a protein
- 19. a pair of complementary bases in a double-strands nucleic acid molecule

- 20. gene mutation involving changes in one or few nucleotides
- 21. helps in assembly of proteins on ribosomes(rRNA)
- 22. Carries copies of a message(mRNA)
- 23. one strain of bacteria is able to change into a bacteria causing strain
- 24. mutation that shifts the reading frame of the genetic message by inserting or deleting a nucleotide

## Down

- 1. a compound consisting of a nucleotide linked to a phosphate group. Nucleotides form the basic structural unit of nucleic acids such as DNA.
- 2. Copying process by which which a cell duplicates its DNA
- 4. condition in which an organism had extra sets of chromosomes

- 5. sequence of DNA that codes for a protein and thus determines a trait
- 7. enzyme involved in DNA replication that joins individual nucleotides to produce nucleotides to produce a molecule
- 8. reads the DNA molecules and makes a compliment RNA strand
- 9. Consists of DNA tightly coiled around proteins
- 12. Transfers each amino acid to the ribosome to make protein(tRNA)
- 16. Change in genetic material
- 18. enzyme similar to DNA polymerase that binds to DNA and separates the DNA strands during transcription