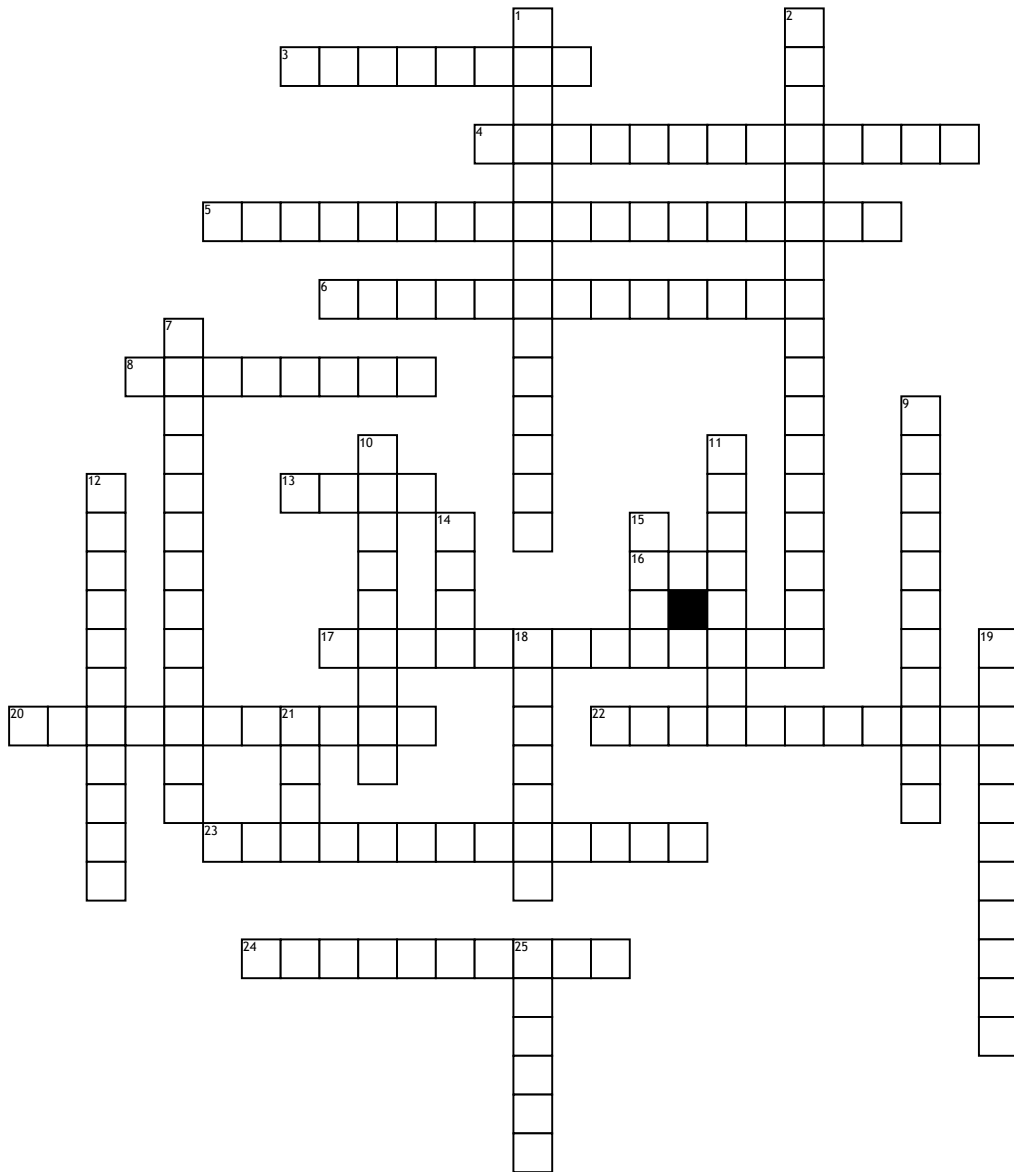


Crossword - Klohe Kaznowski -5th Period



Across

3. repetitive DNA at the end of a Eukaryotic chromosome
4. principal enzyme involved in DNA replication
5. mutation that shifts
6. kind of virus that effects bacteria
8. specific region of a gene where RNA polymerase can bind and begin transcription
13. type of RNA that combines with proteins to form ribosomes
16. single stranded nucleic acid that contains the sugar ribose
17. gene mutation in which a single base pair in DNA has been changed
20. process of copying DNA prior to cell division
22. process by which the sequence of bases of an mRNA is converted into the sequence of amino acids of a protein

23. enzyme that links together the growing chain of RNA nucleotides during transcription using a DNA strand as a template

24. condition in which an organism has extra sets of chromosomes

Down

1. process in which one strain of bacteria is changed by a gene or genes from another strain of bacteria
2. process by which a gene produces its product and the product carries out its function
7. synthesis of RNA molecule from DNA template
9. - principle that bonds in DNA can form only between adenine and thymine and between guanine and cytosine
10. group of 3 bases on a tRNA molecule that are complementary to the 3 bases of a codon of mRNA
11. change in the genetic material of a cell

12. long chain of amino acids that makes proteins
14. expressed sequence of DNA
15. type of RNA that carries copies of instructions
18. chemical or physical agents in the environment that interact with DNA and may cause a mutation
19. collection of codons of mRNA each of which directs the incorporation of a particular amino acid into a protein
21. type of RNA that carries each amino acid to ribosome during protein synthesis
25. sequence of DNA that is not involved in coding for a protein