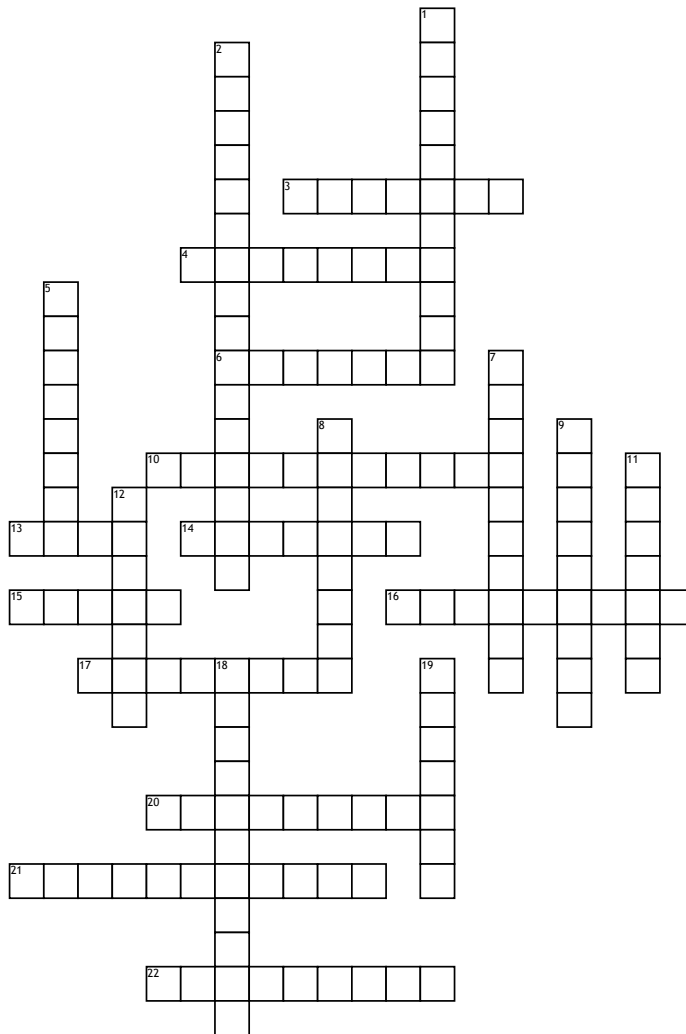


Name: \_\_\_\_\_

# Unit 4 Test Review Crossword



## Across

3. The nucleotide base that pairs with adenine  
4. In this stage of the cell cycle, sister chromatids get pulled apart along the spindles.  
6. DNA never leaves this organelle.  
10. The number of PAIRS of chromosomes in human cells  
13. A section of DNA that codes for one protein  
14. Cells that have pairs of chromosomes are called \_\_\_\_\_ cells.  
15. A group of three nucleotide bases  
16. In this stage of the cell cycle, sister chromatids line up in the center of the cell along the spindles.

## Word Bank

THYMINE  
PROTEIN  
CODON  
SINGLE HELIX  
CYTOSINE

PROTEIN SYNTHESIS  
NUCLEUS  
DOUBLE HELIX  
TELOPHASE  
MEIOSIS

METAPHASE  
TWENTY THREE  
INTERPHASE  
ANAPHASE

GENE  
CELL CYCLE  
CYTOKINESIS  
DIPLOID

AMINO ACID  
MITOSIS  
PROPHASE  
RIBOSOME

17. The organelle that reads RNA code.  
20. The process that has these three steps: interphase, mitosis, cytokinesis.  
21. The shape of DNA  
22. A codon codes for one \_\_\_\_\_.  
Down  
1. This is the final stage of the cell cycle, where two identical daughter cells are formed.  
2. The process where DNA's coded instructions are interpreted and made into proteins.  
5. In this stage of the cell cycle, genetic material coils up into X-shaped sister chromatids and spindles begin to form.  
7. In this stage of the cell cycle, genetic material is duplicated.

8. The nucleotide base that pairs with guanine  
9. In this stage of the cell cycle, the cytoplasm and cell membrane begin to divide the cell into two halves.  
11. The process of cell division including prophase, metaphase, anaphase, and telophase is called \_\_\_\_\_.  
12. When daughter cells divide to form special reproductive cells that only have a half-copy of the parent cell's DNA, it is called \_\_\_\_\_.  
18. The shape of RNA  
19. A string of amino acids