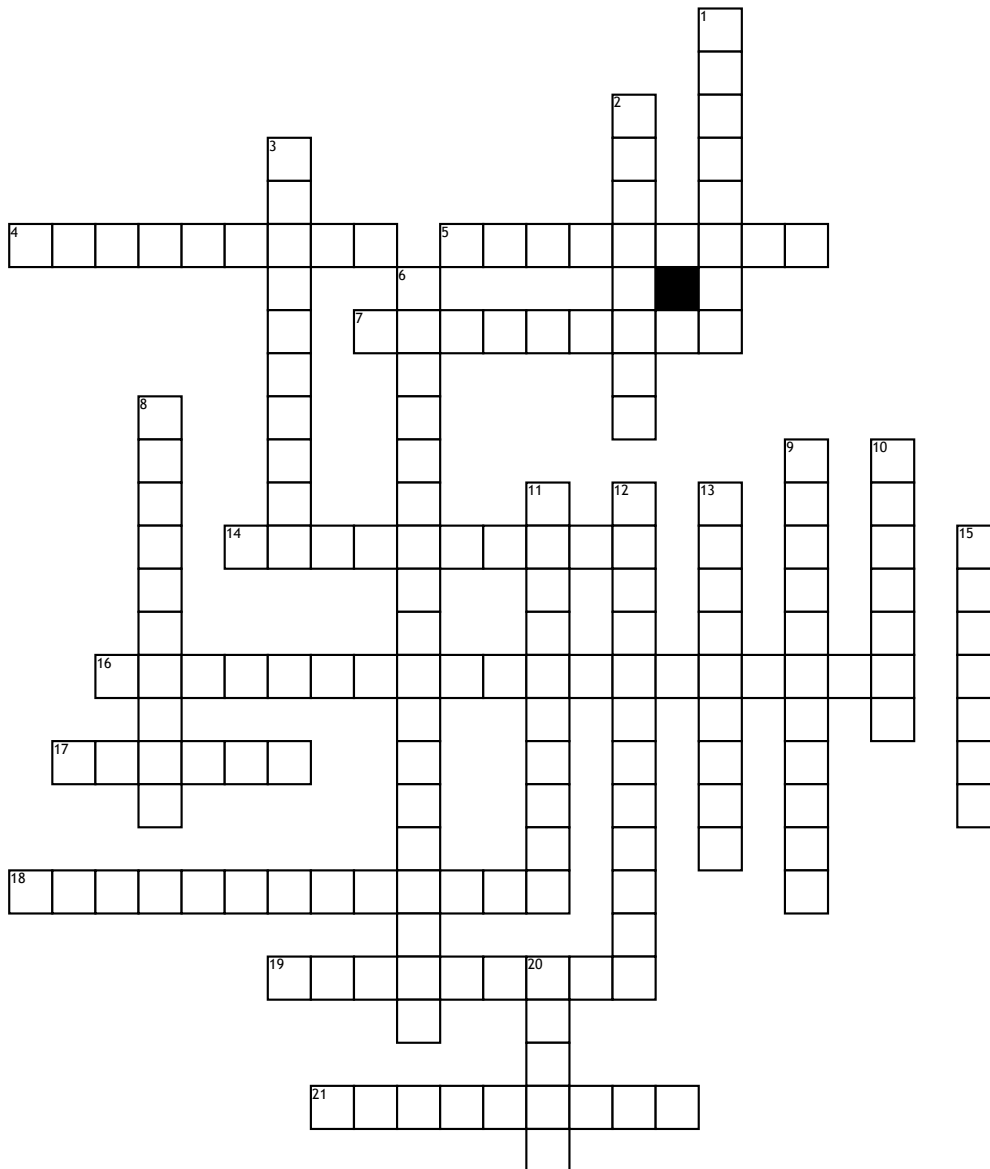


Name: _____

Date: _____

Chapter 10 Vocabulary



Across

4. the duplicated strand of DNA, referred as a "sister" _____
5. 4th phase. Chromosomes begin to spread into chromatin and a nuclear envelope re-forms around clusters and two daughter cells are formed.
7. 2nd phase. Duplicated chromosome's centromere line up across center of cell. Spindle fibers connect centromere with a chromosome
14. The place in which duplicated chromosomes attach
16. identical individual cells which come from a single parent; less gene diversity
17. Unregulated growth of cells

18. Promotes growth and division of cells; fairly important in early life processes

19. DNA before the chromosome stage; stored in nucleus

21. programmed cell death; damaged or programmed

Down

1. 3rd phase. chromosomes move to opposite ends of the cell

2. First and Longest phase of mitosis in which genetic information condenses and it turned into duplicated chromosomes

3. process in cell cycle where DNA is replicated

6. An individual with two parents that use genetic information from each; lots of gene diversity

8. Holders of genetic information; used in cell division

9. cell division; after mitosis ends; different in different organisms

10. regulates cell cycle; protein

11. Paired structures used to attach to centromere

12. The process in which the cell divides asexually into two new cells

13. process leading up to cell division

15. Four phases of genetic duplication

20. mass of cells that can be malignant or benign