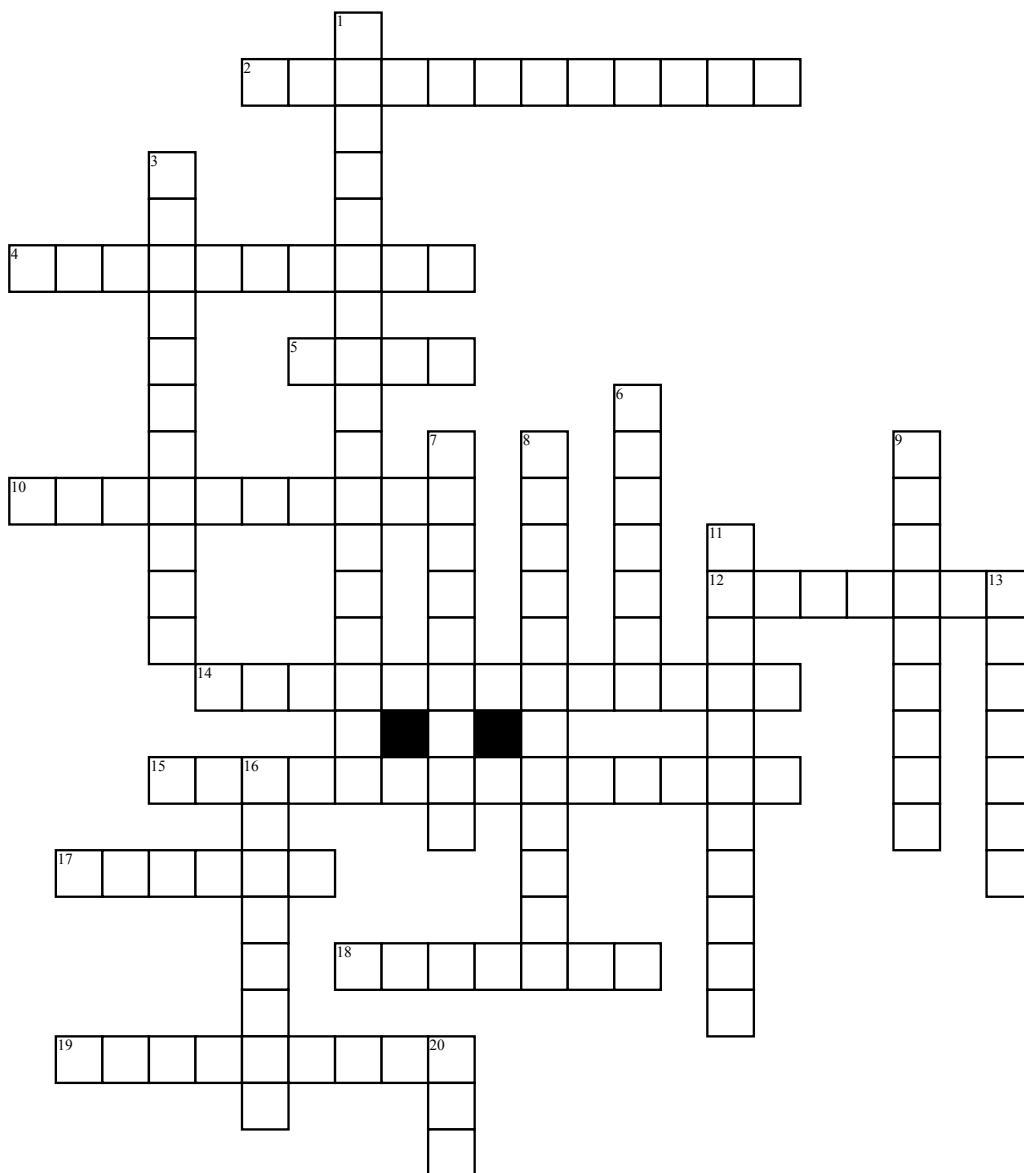


Name: _____ Date: _____ Period: _____

Bio Vocab Crossword



Across

2. occurs between prophase 1 and metaphase 1

4. In a duplicated chromosome, the region on each sister chromatid where they are most closely attached to each other by proteins that bind to specific DNA sequences

5. The fundamental, physical, and functional unit of heredity

10. the resting phase between successive mitotic divisions of a cell, or between the first and second divisions of meiosis

12. The number of chromosomes in a gamete of an organism

14. a method of asexual reproduction by "division in half"

15. the process by which a double-stranded DNA molecule is copied to produce two identical DNA molecules

17. -a mature haploid male or female germ cell that is able to unite with another of the opposite sex in sexual reproduction to form a zygote

18. a type of cell division that results in two daughter cells each having the same number and kind of chromosomes as the parent nucleus, typical of ordinary tissue growth

19. each of the two threadlike strands into which a chromosome divides longitudinally during cell division

Down

1. either of the nucleotide bases linked by a hydrogen bond on opposite strands of DNA or double-stranded RNA

3. The division of the cytoplasm to form two separate daughter cells immediately after mitosis, meiosis I, or meiosis II

6. a type of cell division that results in four daughter cells each with half the number of chromosomes of the parent cell, as in the production of gametes and plant spores

7. an ordered sequence of events in the life of a cell

8. Hence, all body cells of an organism – apart from the sperm and egg cells, the cells from which they arise

9. the complex of DNA and proteins that makes up eukaryotic chromosomes

11. A cellular structure carrying genetic material, found in the nucleus of eukaryotic cells

13. A cell or an organism consisting of two sets of chromosomes: usually, one set from the mother and another set from the father

16. any chromosome that is not a sex chromosome

20. deoxyribonucleic acid