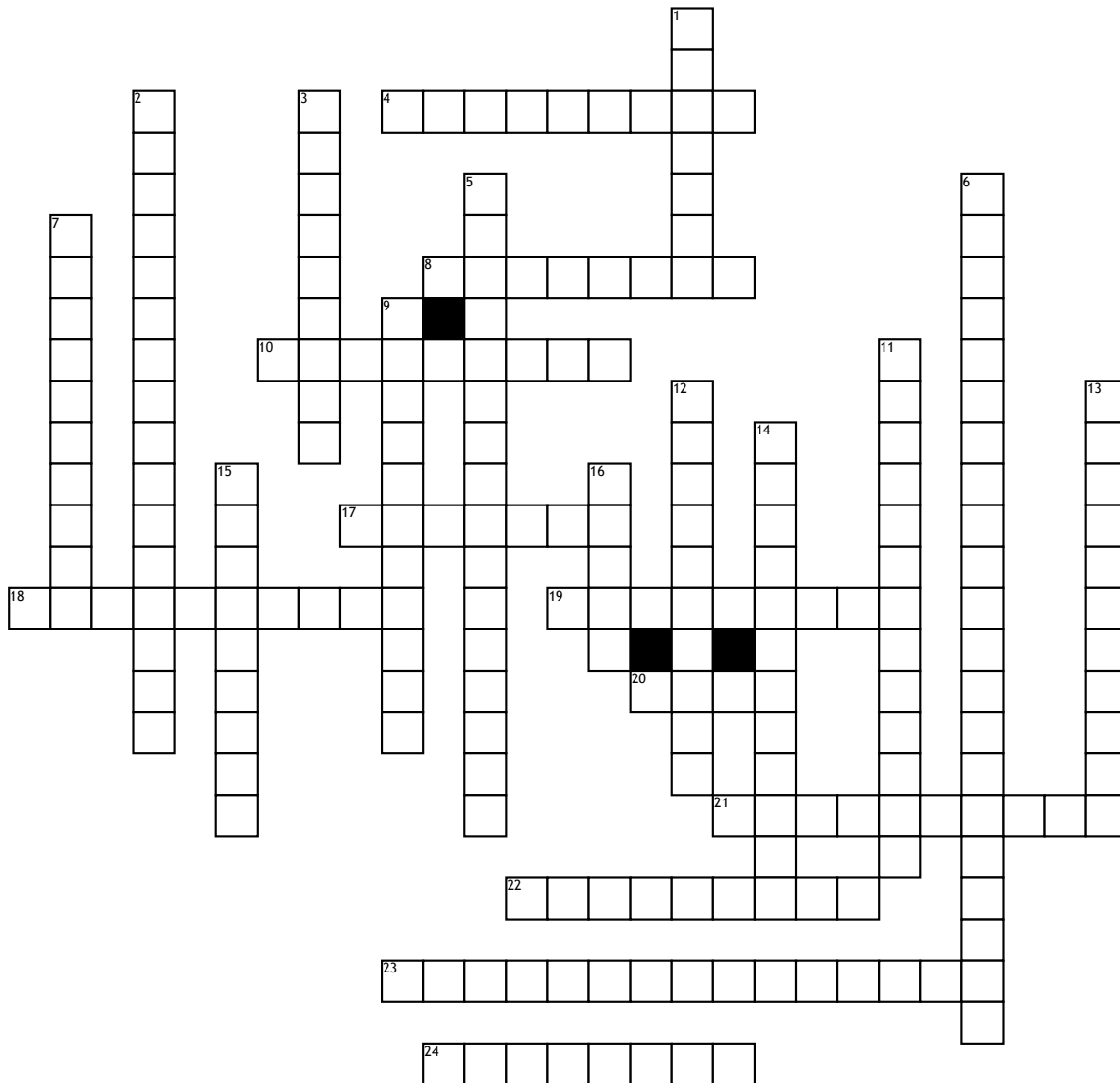


Name: _____ Date: _____ Period: _____

cell division vocabulary



Across

4. Each of the two threadlike strands into which a chromosome divides longitudinally during cell division
8. The stage of meiotic or mitotic cell division in which the chromosomes move away from one another.
10. The number and visual appearance of the chromosomes in the cell nuclei.
17. A type of cell division that results in two daughter cells each having the same number and kind of chromosomes as the parent nucleus.
18. An organelle near the nucleus of a cell which contains the centrioles.
19. The final phase of cell division, between anaphase and interphase.
20. A unit of heredity which is transferred from a parent to offspring.
21. A minute cylindrical organelle near the nucleus in animal cells.

22. A small dense spherical structure in the nucleus.
23. Also known as the nuclear membrane.
24. The first stage of cell division, before metaphase.

Down

1. A type of cell division that results in four daughter cells.
2. Two identical copies of a single replicated chromosome that are connected by a centromere.
3. The second stage of cell division, between prophase and anaphase.
5. A protein structure that forms on a chromatid during cell division.
6. Two chromosomes, one of paternal origin, the other of maternal origin, that are identical in appearance and pair during meiosis.

7. The resting phase between successive mitotic divisions of a cell, or between the first and second divisions of meiosis.
9. The division of cells after either mitosis or meiosis I and II.
11. A protein structure that divides the genetic material in a cell.
12. The region of a chromosome to which the microtubules of the spindle attach.
13. A threadlike structure of nucleic acids and protein found in the nucleus of cells.
14. Either of the two cells formed when a cell undergoes cell division by mitosis.
15. The material of which the chromosomes of organisms other than bacteria are composed.
16. A radiating array of microtubules associated with a centrosome in a dividing cell.