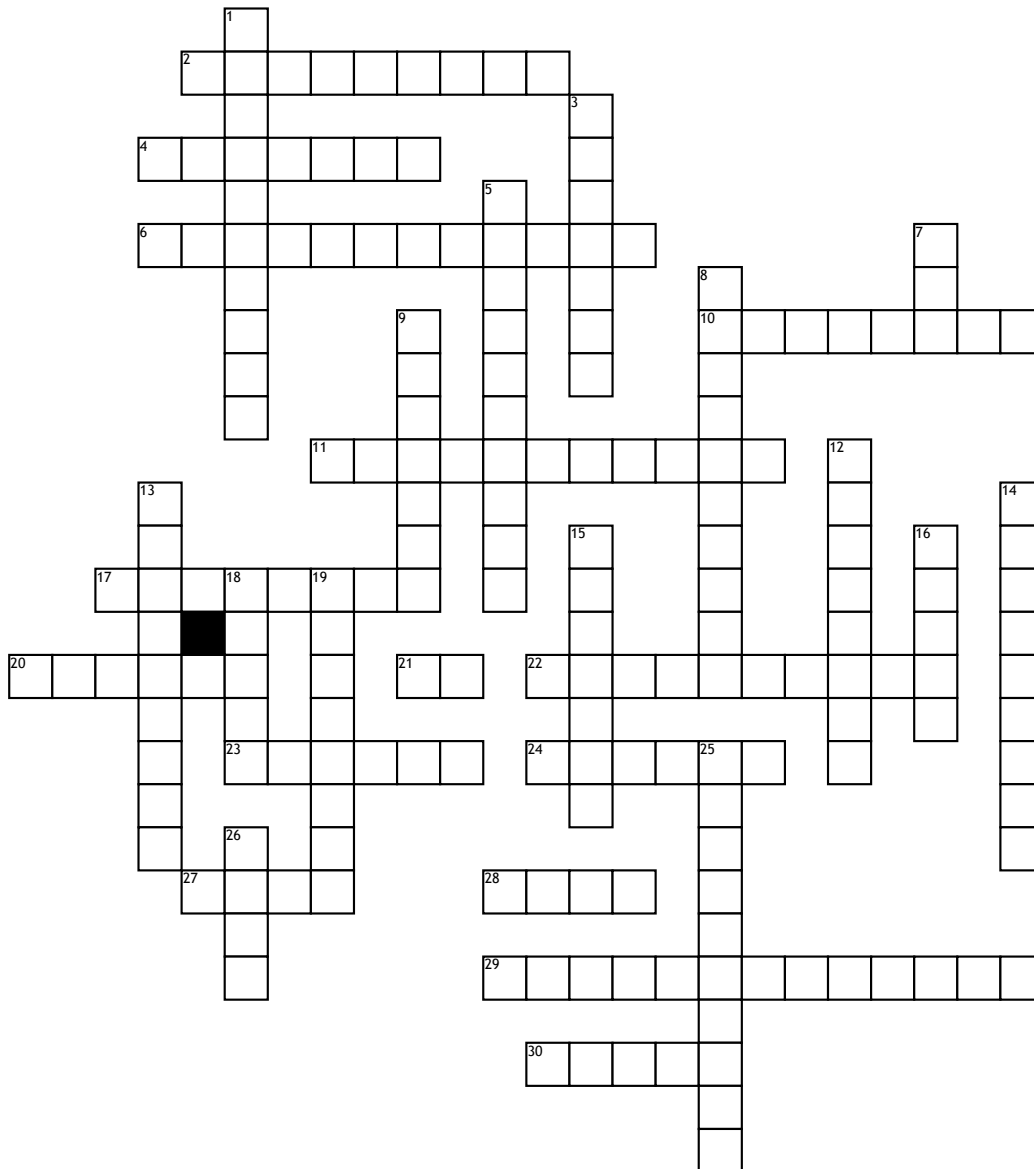


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Mitosis



**Across**

- 2. Third step in Mitosis
- 4. 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.
- 6. Second step of mitosis
- 10. Where is the DNA found in bacteria
- 11. These proteins make up a dislike structure
- 17. First step of Mitosis
- 20. Cleavage Furrow is located in this cell
- 21. How many chromosomes do human body cells have
- 22. The complex of DNA and histone proteins
- 23. The cell's DNA only replicates during this phase of the cell cycle
- 24. A \_\_\_\_\_ chromatid formed by the replication of a single chromosome with both copies joined together by a common centromere.

- 27. Chromosome vary in how many ways
  - 28. How many chromosomes do most Eukaryotes have
  - 29. The simple process that begins in bacteria
  - 30. In this type of cell, cell plates form to divide cells
- Down**
- 1. The point of constriction on the chromosome containing repeated DNA sequences that bind specific proteins
  - 3. The extra copy of any 1 chromosome complex of DNA and protein
  - 5. Prophase, in which the chromosomes become visible as paired \_\_\_\_\_ and the nuclear envelope disappears.
  - 7. Telophase, in which the chromatids or chromosomes move to opposite ends of the cell and \_\_\_\_ nuclei are formed.
  - 8. What is the step before Mitosis

- 9. The assembly of this apparatus will later separate the sister chromatids occurring during prophase
- 12. The human embryos missing just one chromosome
- 13. Chromosomes that are composed of this have a complex of DNA and protein
- 14. Fifth step in Mitosis
- 15. All eukaryotic cells undertake an extensive sythesis called
- 16. The arrangement of microtubules
- 18. Anaphase, in which the chromosomes move away from one another to opposite \_\_\_\_ of the spindle.
- 19. Forth step in Mitosis
- 25. Metaphase is a stage of mitosis in the \_\_\_\_\_ cell cycle in which chromosomes are at their second-most condensed and coiled stage
- 26. How many stages are in Mitosis