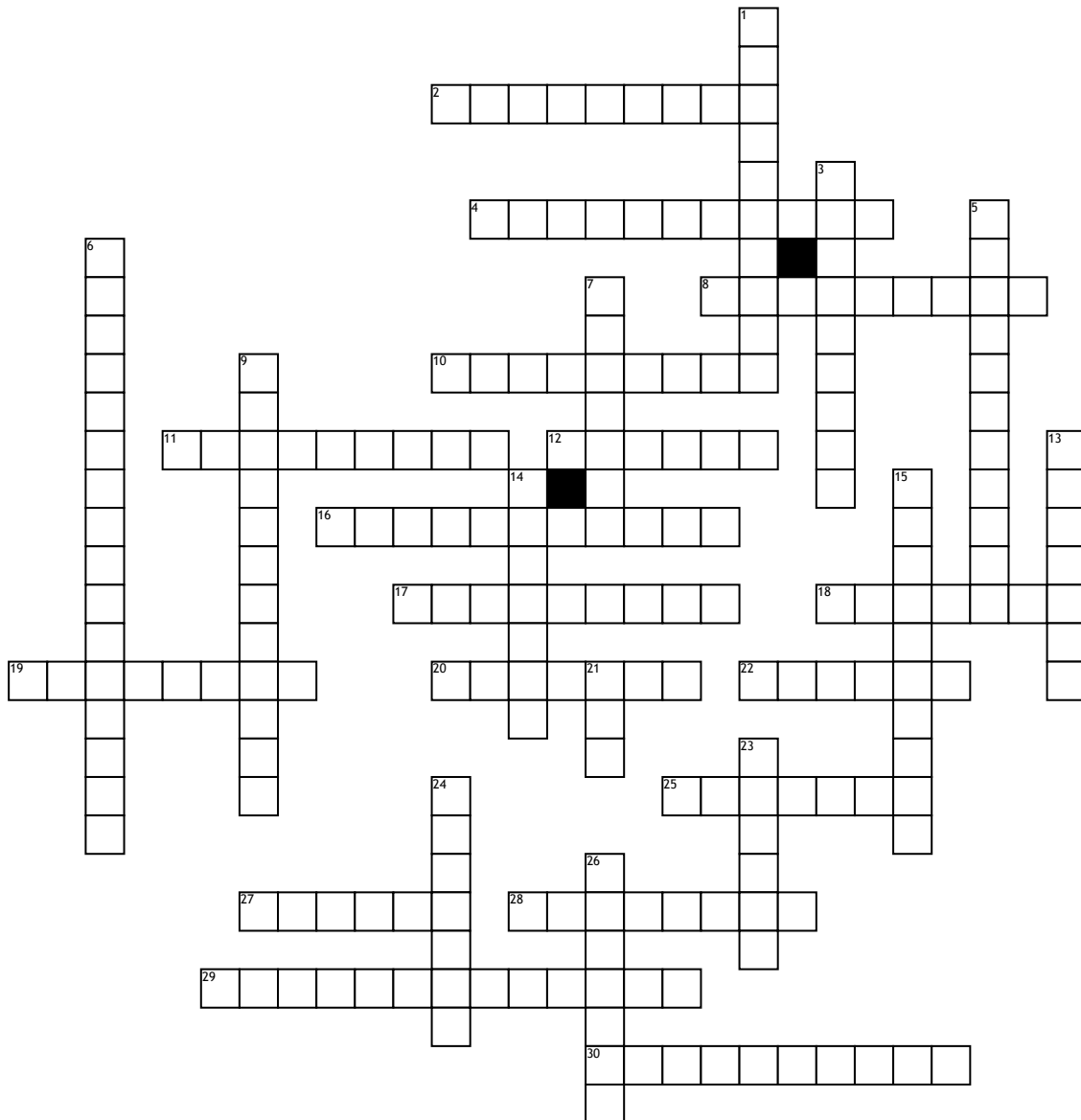


Name: _____

Date: _____

Cell Division



Across

2. DNA and protein
4. refers to chromatin tightly condensed for cell division
8. forms between new daughter cells, becomes cell walls
10. second stage of mitosis, chromosomes line up in center (equator)
11. fourth stage of mitosis, chromosomes unwrap, nuclear envelopes reform around each set of DNA, spindle breaks down, cytokinesis begins
12. uncontrolled cell growth
16. division of the cytoplasm
17. series of events cells go through as they grow and divide
18. division of the nucleus

19. first stage of mitosis, DNA condenses, spindle forms, nuclear envelope breaks down
20. structure made from microtubules, separates and moves chromosomes
22. protein that regulates the cell cycle
25. part of interphase, cell grows and carries out jobs
27. DNA is replicated
28. third stage of mitosis, chromosome splits, move to opposite sides, (poles)
29. new cells formed from division
30. non-division time period

Down

1. area where the 2 DNA copies are held together until split
3. copy
5. membrane pinched inward and splits cell

6. each copy of DNA making up the chromosome
7. time when cell prepares to divide by making extra molecules and organelles
9. splitting of one parent cell into 2 new cells
13. division process to reduce chromosome number to make gametes
14. having 2 sets
15. structure made from microtubules that organizes the spindle
21. genetic material
23. division period
24. sex cells, (egg and sperm)
26. having one set