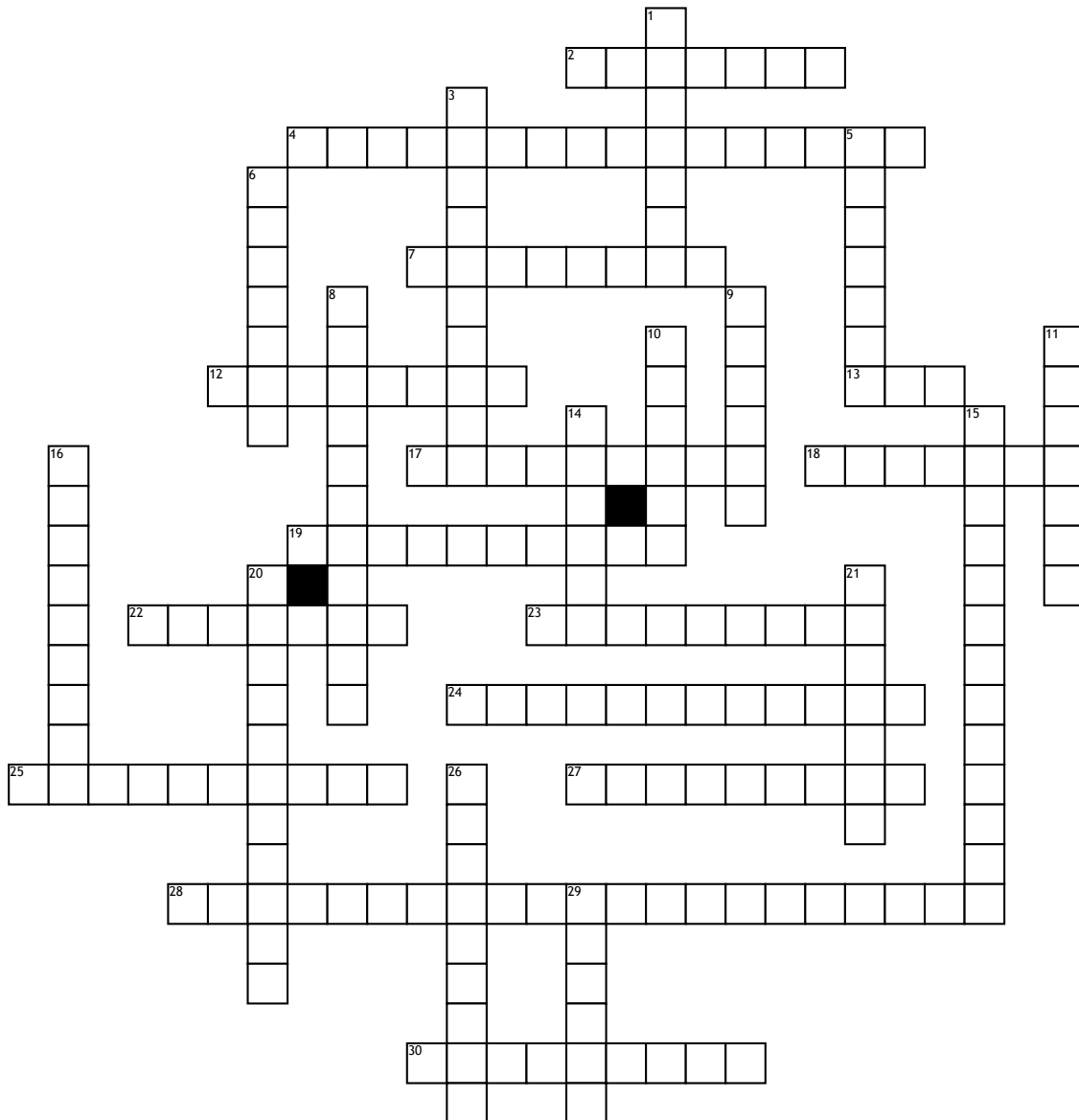


Name: _____

Date: _____

Unit 4



Across

2. structure made from microtubules, separates and moves chromosomes
 4. each copy of DNA making up the chromosomes
 7. first stage of mitosis, DNA condenses, spindle forms, envelope breaks down
 12. proteins that DNA wraps around to compact DNA
 13. genetic material
 17. forms between daughter cells, becomes cell wall
 18. part of interphase, cell grows and carries out jobs
 19. non-division time period
 22. time when cell prepares to divide by making extra molecules and organelles

23. series of events cells go through as they grow and divide
 24. splitting of one parent cell into 2 new cells
 25. structure made from microtubules that organizes the spindle
 27. DNA and protein
 28. a pair of chromosomes
 30. copy

Down

1. division of nucleus
 3. area where 2 DNA copies are held together until split
 5. having 2 sets
 6. having 1 set
 8. division of cytoplasm
 9. uncontrolled cell growth
 10. division period
 11. sex cells

14. DNA is replicated
 15. new cells formed from division
 16. second stage of mitosis, chromosomes line up in center
 20. refers to chromatin tightly condensed for cell division
 21. division process to reduce chromosome number to make gametes
 26. "regular" chromosome pairs
 29. protein that regulates the cell cycle