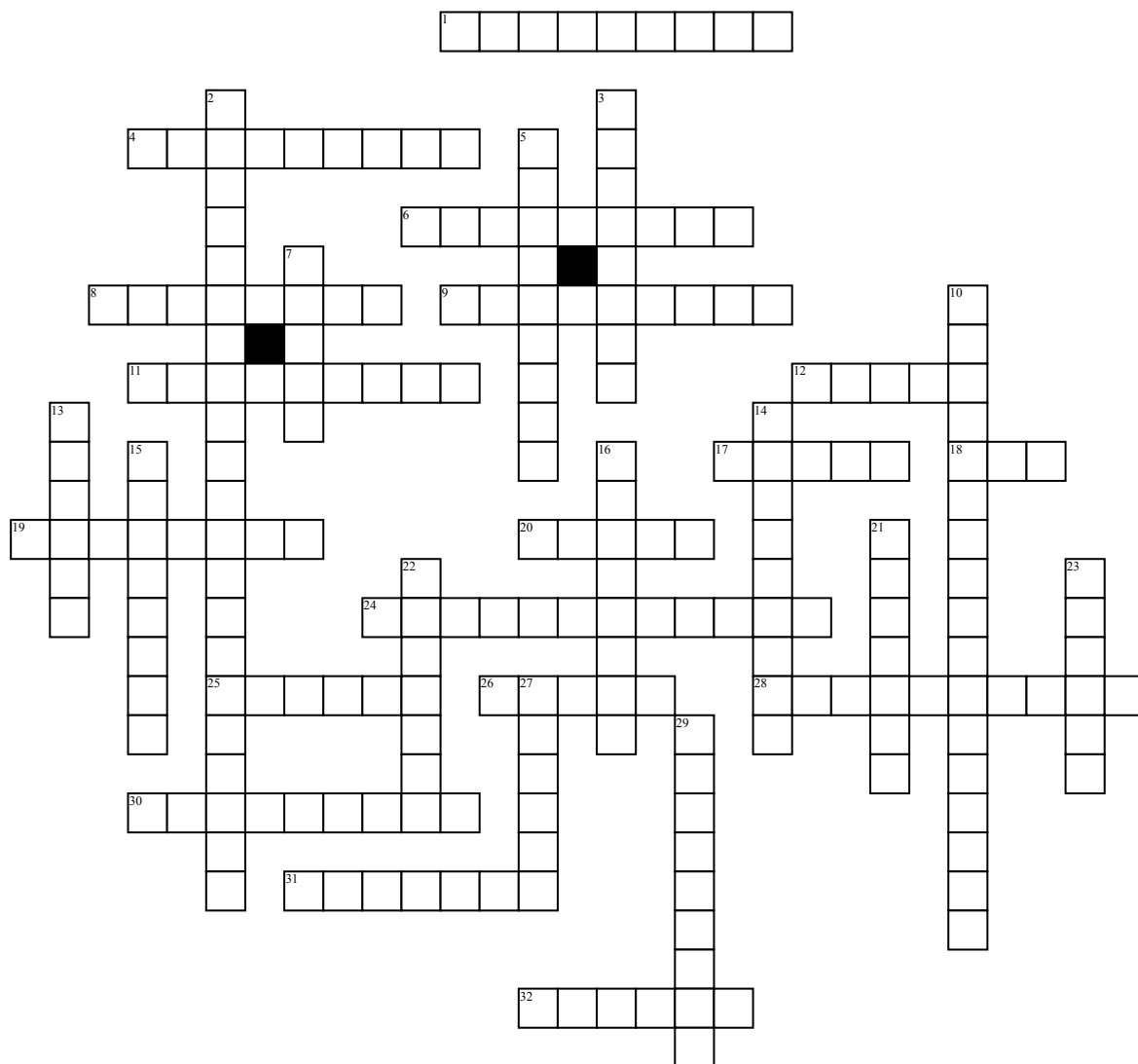


Not Just Any Stack of Blocks!



Across

- 1. element Mendeleev predicted w/o discovering
- 4. he who stacked the blocks
- 6. element that can be “tweaked” to act like M or NM
- 8. criteria for F of A in column
- 9. “Can be pounded into sheets”
- 11. Paired elements
- 12. Group 8A; _____ gases
- 17. # valence on iodine
- 18. How many valence on iron?
- 19. charge on oxygen ion
- 20. alkali _____ metals
- 24. group 1A

- 25. Below the stairs (not Harry Potter!)
 - 26. name for column
 - 28. loss or gain of electrons
 - 30. separates M and NM
 - 31. criteria for F of A across period = number of _____
 - 32. Another name for row
- Down**
- 2. F-block
 - 3. How many protons in potassium?
 - 5. core electrons reducing effective nuclear charge
 - 7. name for negative ion

- 10. energy to “pluck” outermost electron
- 13. yet another name for column
- 14. Semimetal
- 15. like fluorine but with an extra e-
- 16. has mass = 51.9961
- 21. largest atom in 2nd period
- 22. charge on potassium ion
- 23. transition metals
- 27. atomic _____
- 29. list the diatomics (memory tip!)