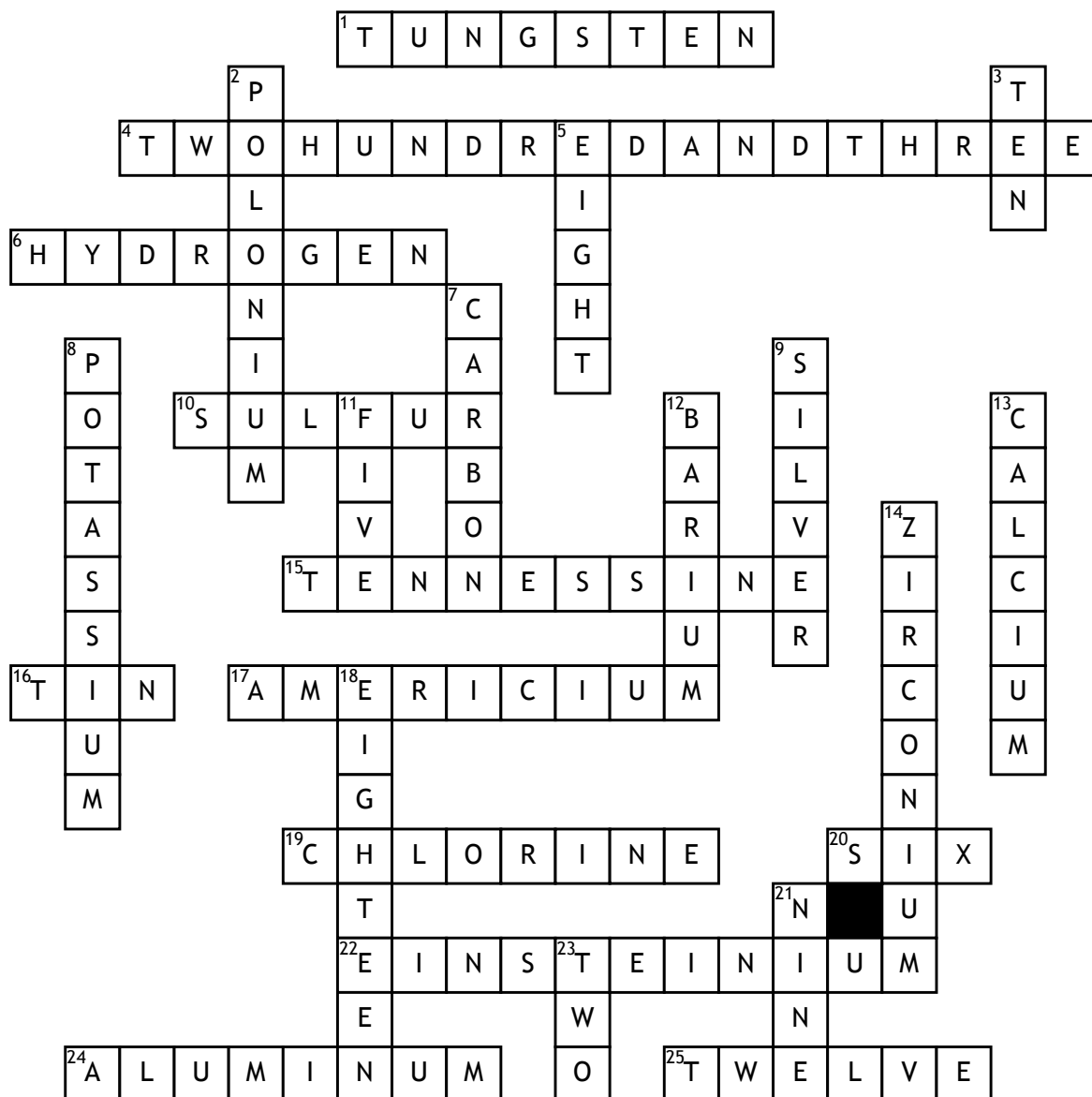


Name: \_\_\_\_\_

# Atomic Structure (Ions and Isotopes) Puzzle



## Across

1. Neutral atom with 74 electrons
4. Number of neutrons for Uranium-235 Isotope
6. Element that can have a stable isotope with no neutrons
10. Element whose -3 ion has 13 electrons
15. Neutral atom with 117 protons
16. Neutral atom with 50 electrons
17. Neutral atom with 95 electrons
19. Element whose +1 ion has 18 electrons
20. Number of neutrons for Boron - 11 Isotope
22. Neutral atom with 99 electrons

24. Element whose +3 ion has 10 electrons

25. Number of neutrons for Sodium-11 Isotope

## Down

2. Element whose -2 ion has 86 electrons
3. Number of neutrons for Neon-20 Isotope
5. Number of neutrons for Carbon-14 Isotope
7. Element with 6 protons
8. Element whose +1 ion has 19 protons
9. Element whose +1 ion has 47 protons

11. Number of protons in an ion of Boron with a +3 charge

12. Element whose +2 ion has 54 electrons

13. Element whose +1 ion has 19 electrons

14. Element whose +3 ion has 40 protons

18. Number of electrons in an ion of Calcium with a +2 charge

21. Number of neutrons for Fluorine - 19 Isotope

23. Number of neutrons for Hydrogen -3 Isotope