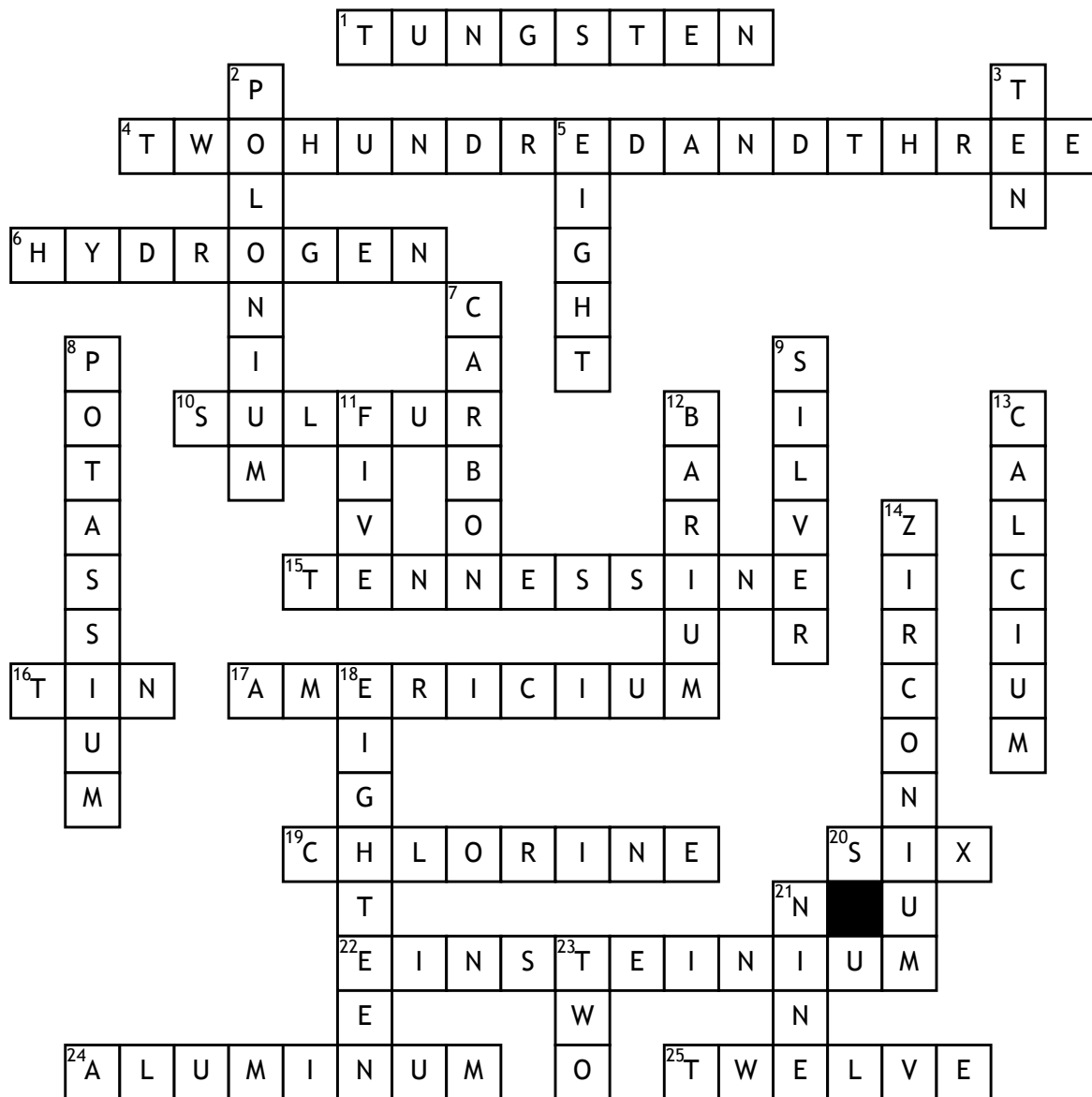


Name: _____

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