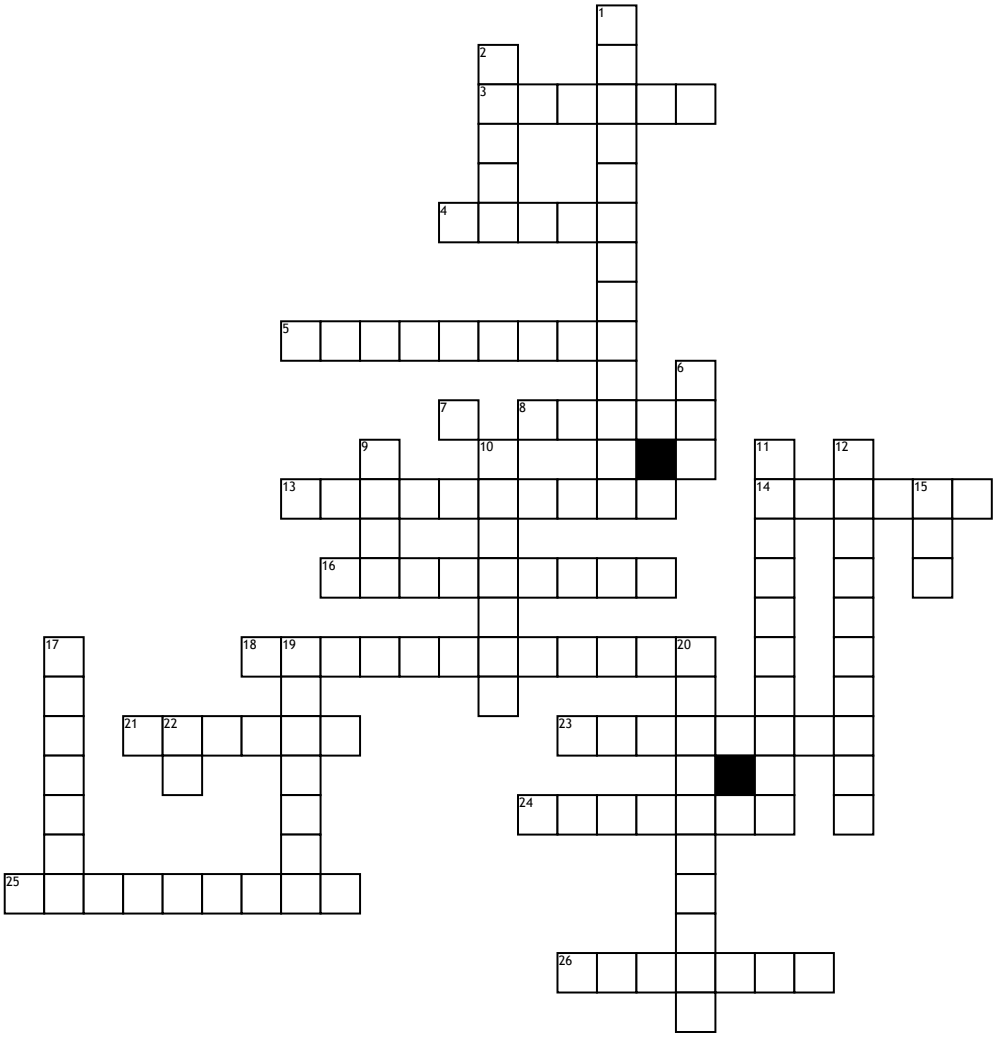
Name: _____ Date: _____ Period: _____

Atom Crossword



Across

3. Sub-atomic particles found in protons and neutrons.

4. On an atomic model electrons are noted on an electron ----------

5. Isotopes have the same number of protons but a --------- number of neutrons.

7. The symbol for hydrogen is -----

8. Electrons ---------- the positively charged nucleus.

13. Each element has its own --------

14. Calcium has --------- protons.

16. Believed all matter was made from fire, water, air earth.

18. The number of electrons is the same as an atom's -------- ----------

21. Matter -------- ------- be created or destroyed.

23. To find the number of neutrons in an atom, you ------- the number of protons from the atomic mass number for the element.

24. The center of an atom is called the ---------.

25. The sub particles are negatively charged.

26. You find the ---------- atomic mass of isotopes to determine atomic weight o that element

Down

1. The ------- -------- shows the organization of all known elements

2. The number of protons and neutrons in an element is -------.

6. This microscope can be used to see an atom

9. His model postulated the existence of energy levels or shells of electrons.

10. These sub particles are positive.

11. Protons plus neutrons equal ---------- ---------

12. Who first suggested the existence of the atom

15. Only ----- electrons can be in the inner most orbit.

17. Atomic mass is usually a ------ number

19. He found that the rays were attracted by positively charged metal plates but repelled by negatively charged ones.

20. He did not confirm Thomson's model: used gold foil in experiment.

22. The symbol for gold is

Word Bank

equal	decimal	cannot	Thomson	different	two
quarks	properties	STM	average	twenty	subtract
Periodic Table	Democritus	Aristotle	Au	cloud	protons
electrons	H	atomic mass	Bohr	orbit	Rutherford
atomic number	nucleus				