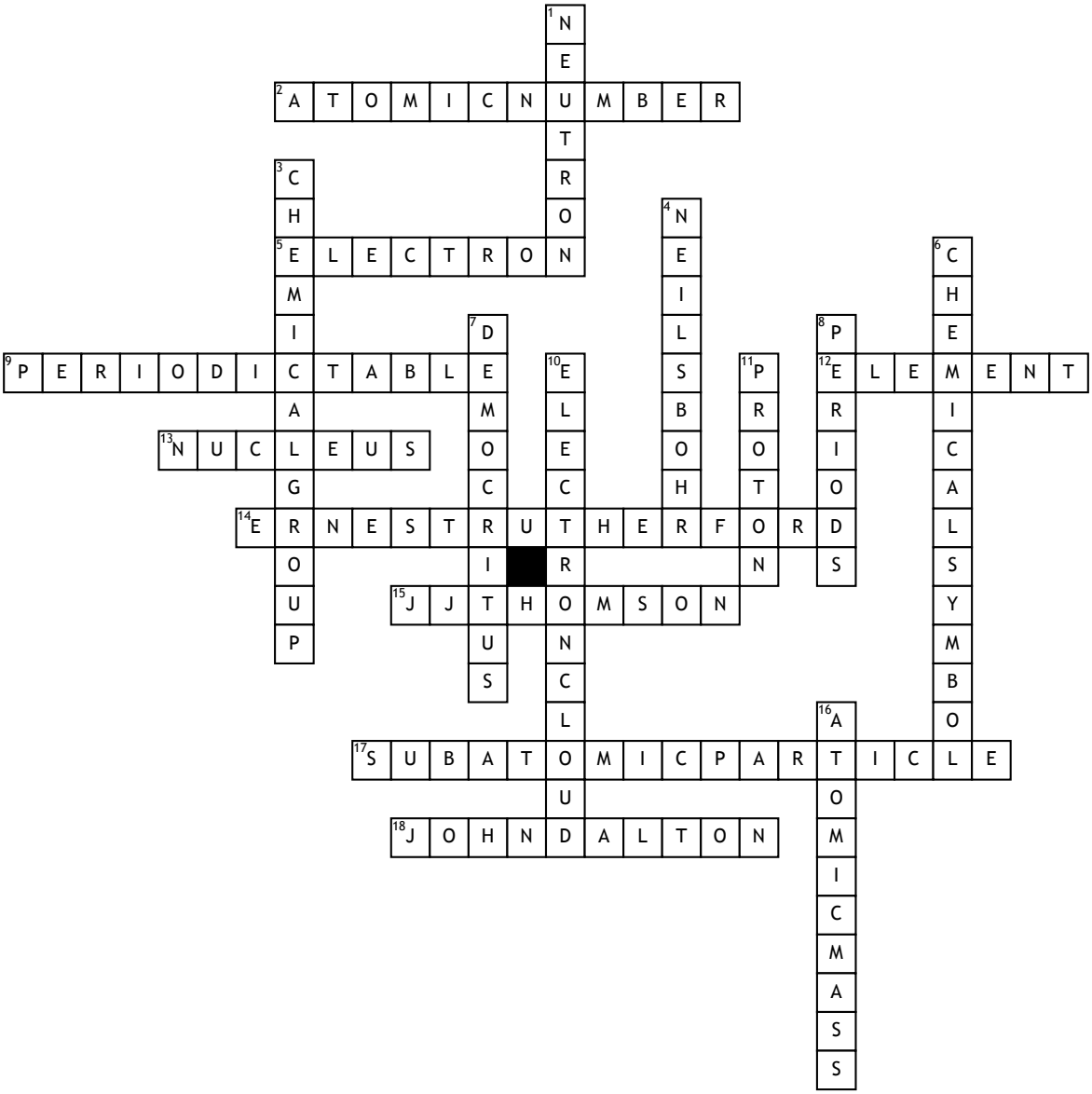
Name: _____ Date: _____

Atoms Vocab



Across

2. THE NUMBER OF THE PROTONS IN THE ELEMENT

5. THE NEGATIVELY CHARGED PARTICLE IN THE ELECTRON CLOUD

9. THE ARRANGEMENT OF ELEMENTS ON A TABLE BASED ON THEIR ATOMIC NUMBER

12. ONE OF A HUNDRED OR SO PURE SUBSTANCES THAT CANNOT BE BROKEN DOWN INTO SIMPLER SUBSTANCES

13. THE TINY, DENSE, POSITIVELY CHARGED REGION IN THE CENTER OF THE ATOM

14. THE SCIENTIST WHO WORKED WITH THOMSON AND ADDED THE NUCLEUS TO THE MODERN MODEL OF THE ATOM

15. THE SCIENTIST WHO DISCOVERED ELECTRONS, USING CATHODE RAY TUBE EXPERIMENT

17. PARTICLES, LIKE PROTONS, NEUTRONS, AND ELECTRONS, THAT ARE SMALLER THAN THE ATOM

18. THE SCIENTIST WHO STARTED THE MODERN ATOMIC THEORY & CONFIRMED DEMOCRITUS' MODEL OF THE INDIVISIBLE ATOM

Down

1. A PARTICLE IN THE NUCLEUS WITH A NEUTRAL CHARGE

3. A COLUMN ON THE PERIODIC TABLE, ALSO CALLED A FAMILY, CONTAINING ELEMENTS WITH THE SAME NUMBER OF VALENCE ELECTRONS

4. THE SCIENTIST WHO THEORIZED THAT ELECTRONS ORBIT THE NUCLEUS OF THE ATOM LIKE PLANETS

6. AN ABBREVIATED, ONE OR TWO LETTER SYMBOL, USED TO WRITE AN ELEMENTS NAME, BEGINNING WITH A CAPITAL LETTER

7. THE GREEK SCIENTIST WHO NAMED THE ATOM "ATOMAS" MEANING INDIVISIBLE

8. A HORIZONTAL ROW ON THE PERIODIC TABLE

10. REGIONS INSIDE THE ATOM WHERE ELECTRONS ARE LIKELY TO BE FOUND

11. A PARTICLE IN THE NUCLEUS WITH A POSITIVE CHARGE

16. THE AVERAGE OF THE MASSES OF THE NATURALLY OCCURRING ISOTOPES IN AN ELEMENT