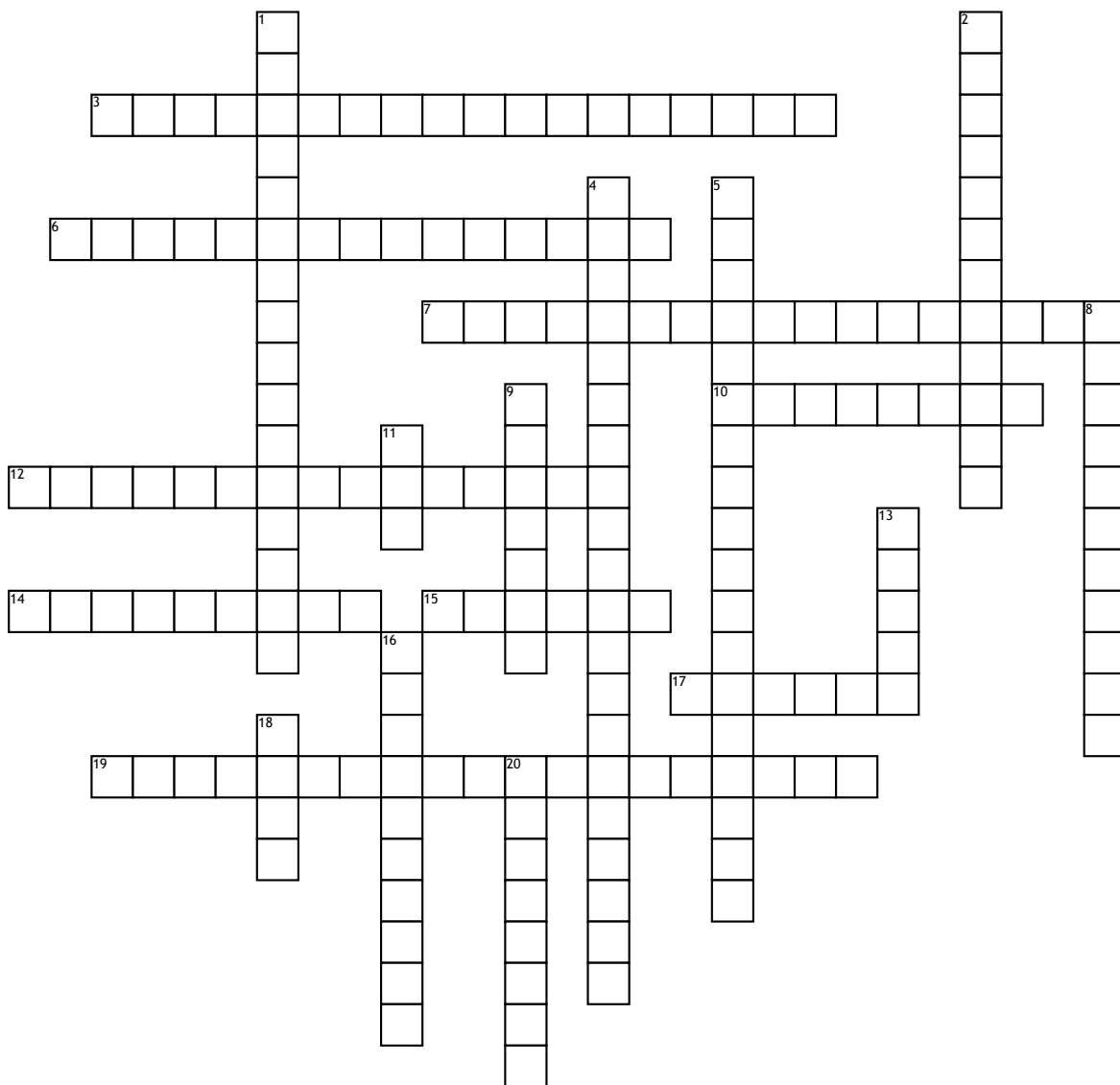


Name: _____

Date: _____

Crossword Puzzle by Zaina Barazanji



Across

3. THIS LAW STATES MASS IS NEITHER CREATED OR DESTROYED
 6. ELECTRONS IN THE OUTERMOST SHELL
 7. USED TO SHOW COVALENT BONDING OF AN ION
 10. A NEGATIVELY CHARGED SUBATOMIC PARTICLE
 12. A SET OF CHEMICAL SYMBOLS SHOWING THE STRUCTURE OF A COMPOUND
 14. THE FORCE THAT HOLDS CATIONS AND ANIONS TOGETHER
 15. A POSITIVELY CHARGED SUBATOMIC PARTICLE

17. AN ION WITH A POSITIVE CHARGE

19. ABSORBS ENERGY FROM ITS SURROUNDINGS

Down

1. A CHEMICAL REACTION IN WHICH THE PRODUCTS AND REACTANTS ARE EXPRESSED AS FORMULAS
 2. A CHEMICAL BOND THAT SHARE A PAIR OF VALENCE ELECTRONS
 4. A LAW STATING ENERGY CANNOT BE CREATED NOR DESTROYED BUT CAN BE CHANGED TO FORM ANOTHER
 5. RELEASES ENERGY TO IT SURROUNDINGS

8. A STATE OF BALANCE FROM THE FORWARD AND REVERSE PATHS OF CHANGE

9. A NEUTRAL SUBATOMIC PARTICLE

11. AN ELECTRICALLY CHARGED ATOM FORMED BY THE LOSS OR GAIN OF ONE OR MORE ATOMS

13. AN ION WITH A NEGATIVE CHARGE

16. A MODEL REPRESENTING THE STRUCTURE OF AN ELEMENT'S ATOM
 18. THE SMALLEST PARTICLE OF AN ELEMENT

20. A SUBSTANCE MADE FROM TWO OR MORE SUBSTANCES