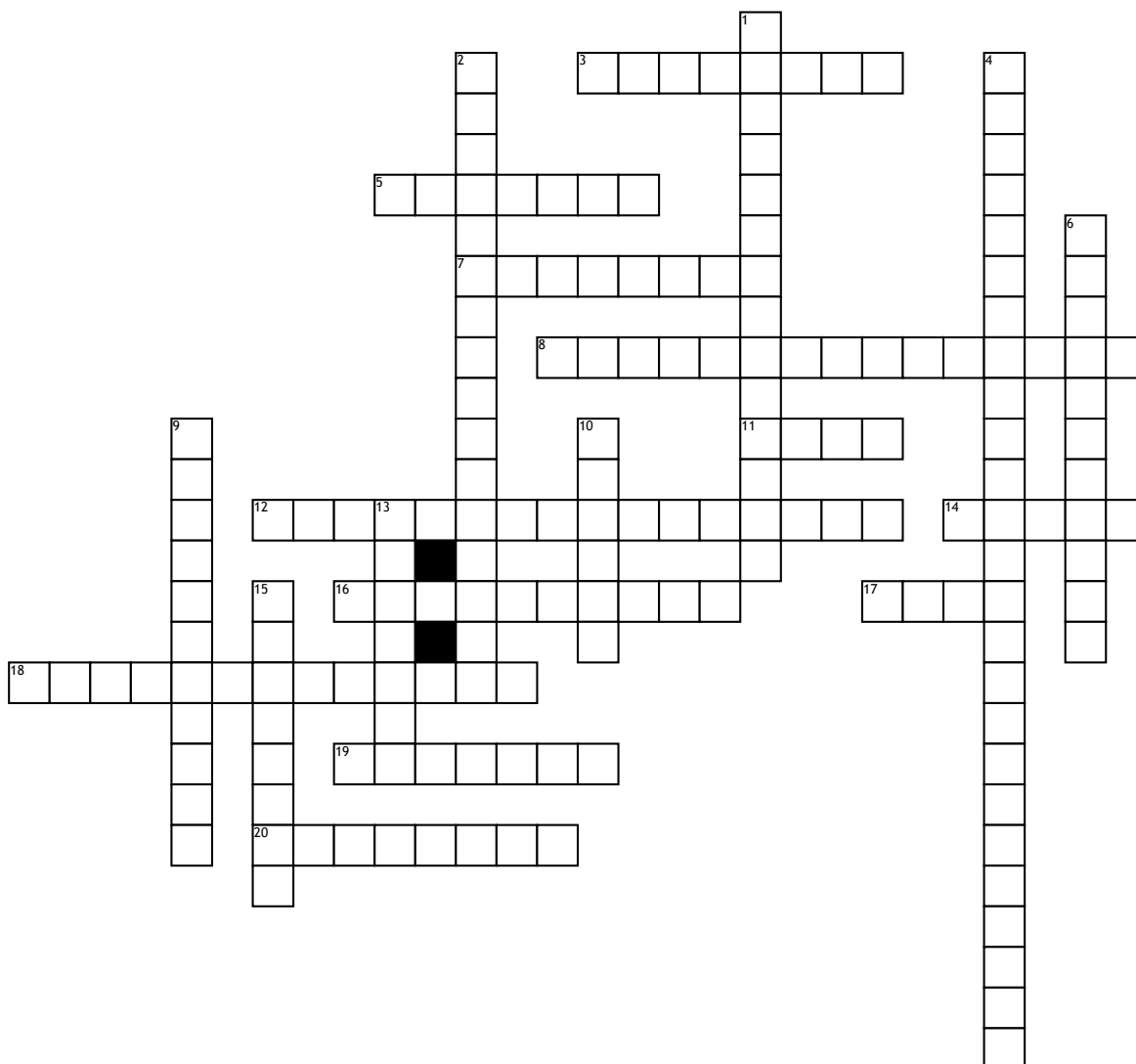


Name: _____

Date: _____

Chemistry Crossword



Across

3. A neutral group of atoms joined together by covalent bonds
 5. The amount of energy required to move an electron from one energy level to another
 7. A substance that speeds up the reaction but is not used up in the reaction
 8. Atoms, ions, and molecules can react to form products when they collide if the particles have enough kinetic energy
 11. A measure of how much something changes within a specified amount of time
 12. The minimum energy that colliding particles must have in order to react

14. In forming compounds atoms tend to achieve the electron configuration of a noble gas
 16. The electrostatic forces that hold ions together in ionic compounds
 17. The smallest particle of an element that retains its identity in a chemical reaction
 18. A compound composed of cations and anions
 19. Subatomic particles with no charge but with a mass nearly equal to that of a proton
 20. Negatively charged subatomic particle

Down

1. Lists metals in order of decreasing reactivity

2. In which each side of the equation has the same number of atoms of each element and mass is conserved
 4. A chemical change involving an exchange of positive ions between two compounds
 6. The fixed energies an electron can have
 9. Small whole numbers that are placed in front of the formulas in an equation in order to balance it
 10. Positively charged subatomic particle
 13. atoms of the same element that have the same atomic number but different atomic masses
 15. A substance that interferes with the action of a catalyst