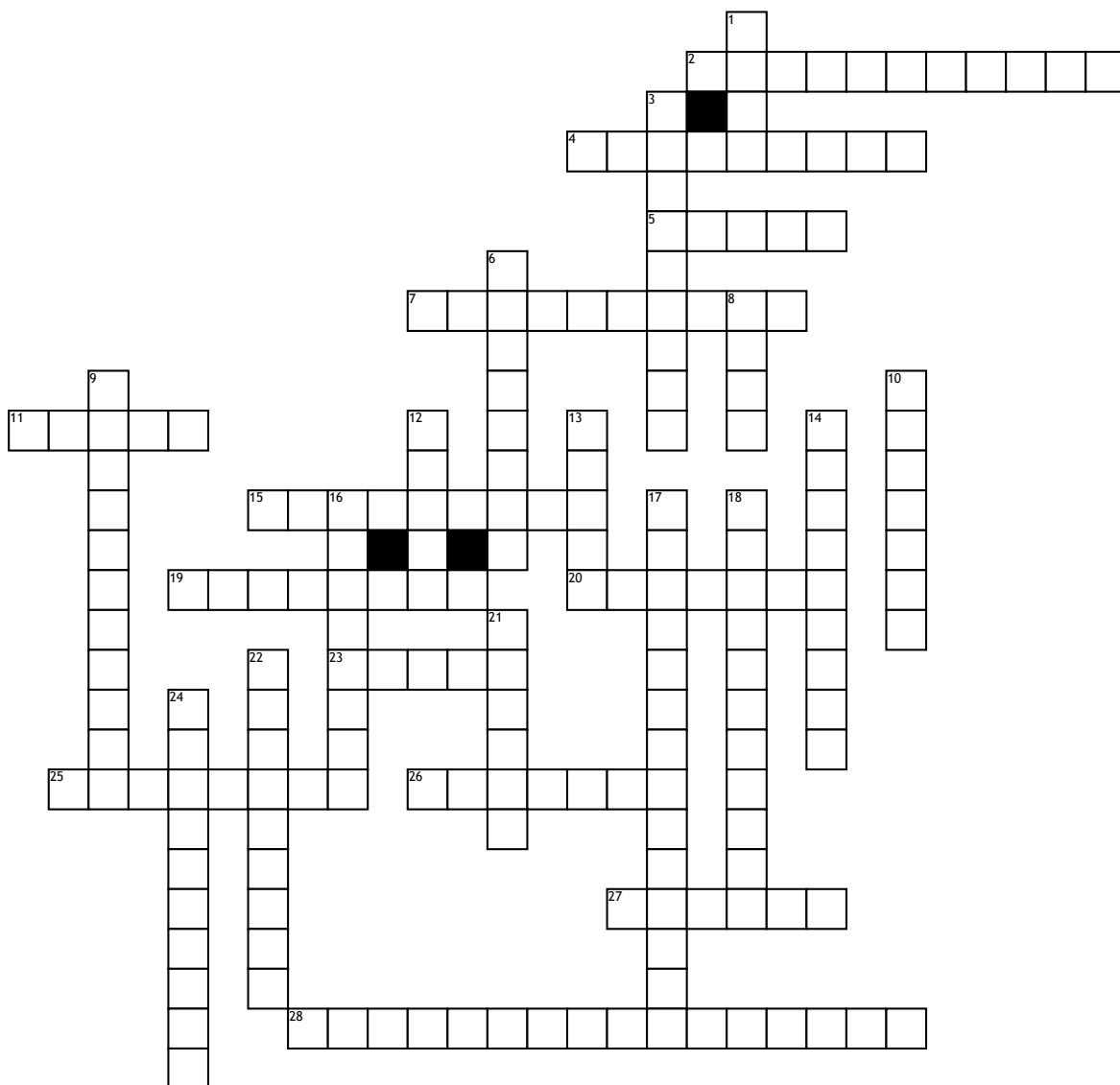


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Chemical Equations and Reactions Crossword



## Across

2. the degree of something  
4. a written representation of a chemical reaction  
5. to detect the odor or scent of something  
7. a chemical reaction that releases heat  
11. the rearrangement of electrons in two atoms that causes atoms to be bound to each other  
15. a substance formed when two or more chemical elements are chemically bonded together

19. substance that speeds up a chemical reaction, but is not consumed by the reaction product/ a substance formed by a chemical change taste/ sensation of flavor in the mouth covalent/ relating to the chemical bonds between atoms temperature/ the degree of something matter/ anything that has mass or takes up space heat/ a form of energy that flows between matter due to their difference in temperature compounds/ a substance formed when two or more chemical elements are chemically bonded together ions/ an electrically charged atom or group of atoms formed by the loss or gain of one or more electrons smell/ detect the odor or scent of something equations/ a written representation of a chemical reaction balancing/ making both sides have the same quantity molecule/ the smallest particle in a chemical element or compound endothermic/ requiring the absorption of heat color/ a pigmentation create/ to make something bonds/ the rearrangement of electrons in two atoms that causes atoms to be bound to each other subscript/ type of lettering written lower than the numbers or things around it and shows the number of atoms in a molecule coefficient/ a number placed before a reactant in a chemical equation  
20. a substance consisting of atoms which all have the same number of protons  
23. a pigmentation  
25. a type of reaction that exchanges one or more hydrogen atoms  
26. not man-made  
27. anything that has mass or takes up space

28. a process that involves rearrangement of the molecular or ionic structure

## Down

1. a form of energy that flows between matter due to their difference in temperature  
3. type of lettering written lower than the numbers or things around it and shows the number of atoms in a molecule  
6. relating to the chemical bonds between atoms  
8. an electrically charged atom or group of atoms formed by the loss or gain of one or more electrons  
9. requiring the absorption of heat  
10. a substance formed by a chemical change  
12. a basic unit of a chemical element  
13. sensation of flavor in the mouth  
14. matter that has a specific composition and specific properties  
16. the smallest particle in a chemical element or compound  
17. an irreversible chemical reaction involving the rearrangement of the atoms  
18. a number placed before a reactant in a chemical equation  
21. to make something  
22. making both sides have the same quantity  
24. a trend or fact that indicates something