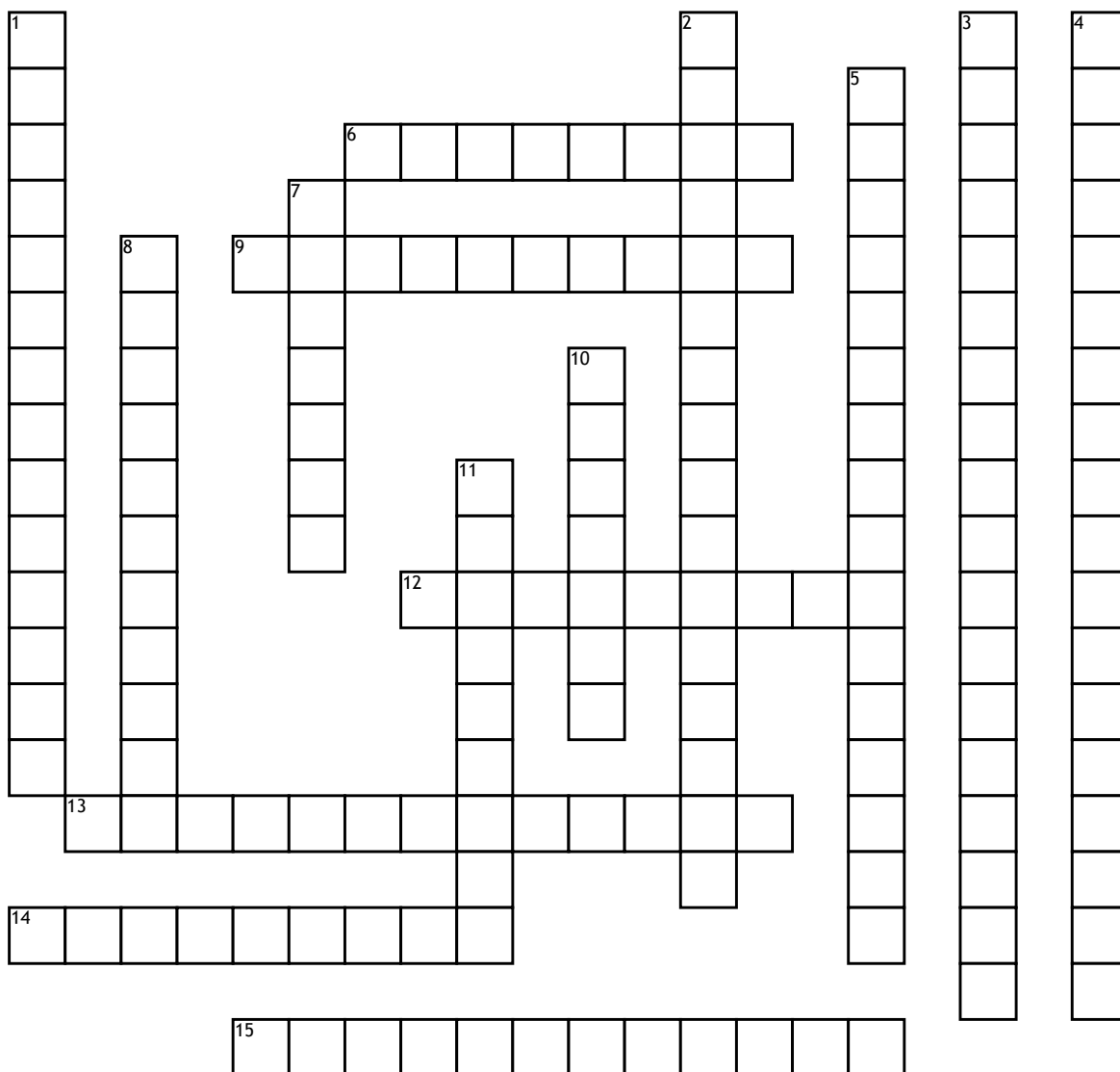


Name: \_\_\_\_\_

# Chemical Reactions



## Across

6. a substance that is formed as the result of a chemical reaction.
9. rapid chemical combination of a substance with oxygen, involving the production of heat and light.
12. a substance that will not dissolve in a solvent even after mixing.
13. the separation of a single chemical compound into its two or more elemental parts or to simpler compounds.
14. a substance that takes part in and undergoes change during a reaction.
15. give the number of molecules (or atoms) involved in the reaction.

## Down

1. a table of metals, listed in the order of their ability to replace other metals while in solution.
2. a chemical equation for a reaction which lists only those species participating in the reaction.
3. a type of chemical reaction where two compounds react, and the positive ions (cation) and the negative ions (anion) of the two reactants switch places, forming two new compounds or products.
4. a type of chemical reaction where an element reacts with a compound and takes the place of another element in that compound.

5. a process that involves rearrangement of the molecular or ionic structure of a substance, as opposed to a change in physical form or a nuclear reaction.
7. a chemical property referring to the ability for a given substance, the solute, to dissolve in a solvent.
8. creation of a solid from a solution.
10. a solution in which the solvent is water
11. the production of chemical compounds by reaction from simpler materials.