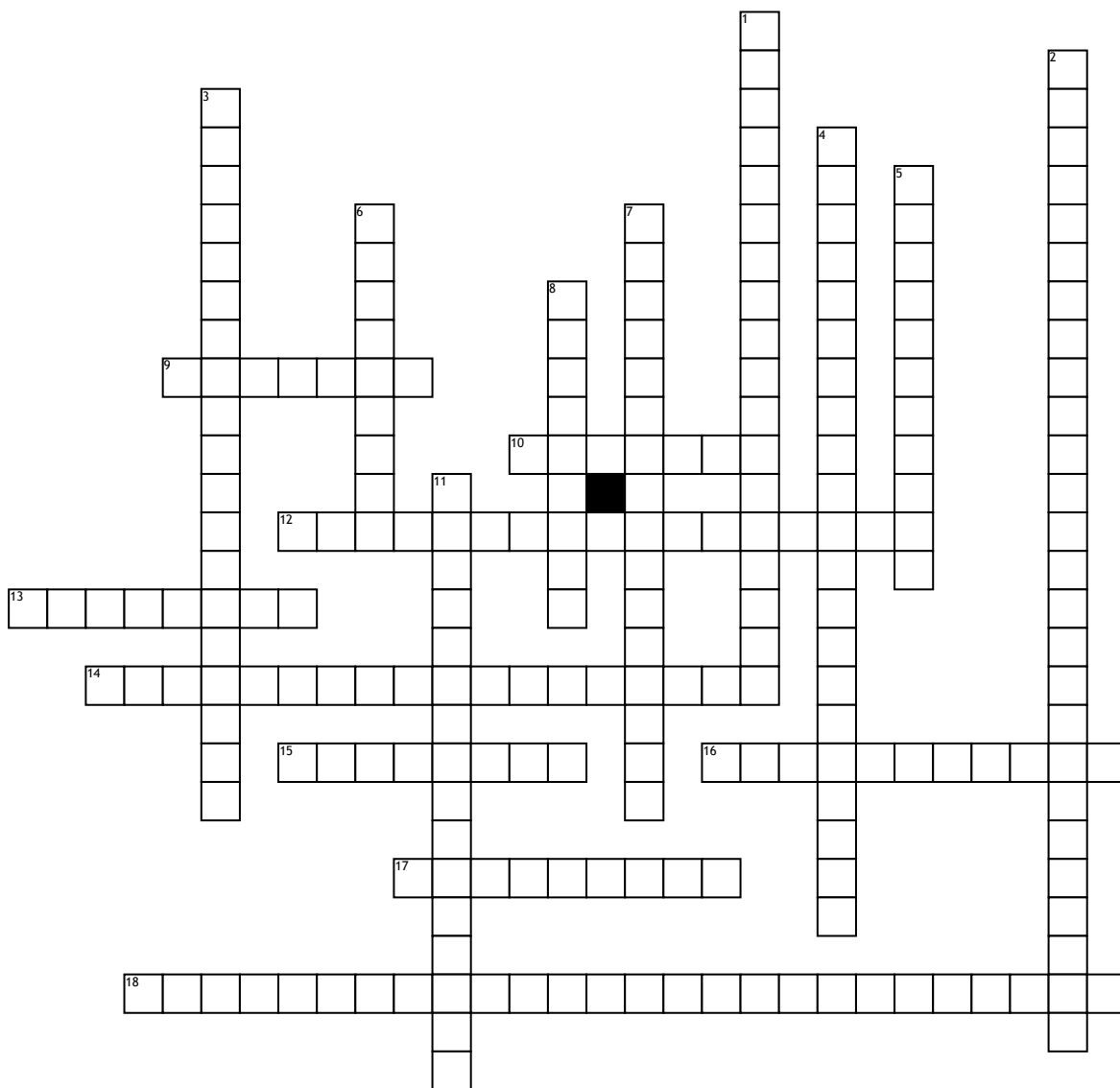


Name: \_\_\_\_\_

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

# Chemical Reactions



## Across

9. The new substances that are formed in a chemical reaction.

10. A condition in which different elements are equal or in the correct proportions. There are three types of visual balance: symmetry, asymmetry, and radial.

12. A chemical reaction that occurs when a substance reacts with oxygen, releasing energy in the form of heat and light combustion reaction A chemical reaction in which two or more reactants combine to produce a single product.

13. The starting materials in a chemical reaction.

14. Energy is released.

15. A substance that initiates or accelerates a chemical reaction without itself being affected.

16. A solid that forms from a solution during a chemical reaction.

17. Tells how many atoms of an element are contained in one molecule or formula unit.

18. A reaction in which a gas, a solid precipitate, or a molecular compound forms from the exchange of ions between two compounds.

## Down

1. A chemical reaction that occurs when a substance reacts with oxygen, releasing energy in the form of heat and light.

2. Chemical reaction in which one element replaces another element in a compound.

3. Energy is absorbed

4. A reaction in which a single compound breaks down to form two or more simpler substances.

5. Tells how many atoms, molecules, or formula units take part in a reaction.

6. Any process in which electrons are added to an atom or ion.

7. A process during which chemical bonds between atoms are broken and new ones are formed. Producing one or more different substances.

8. A chemical change in which a substance combines with oxygen, as when iron oxidizes, forming rust.

11. A representation of a chemical reaction that uses symbols to show the relationship between the reactants and the products.