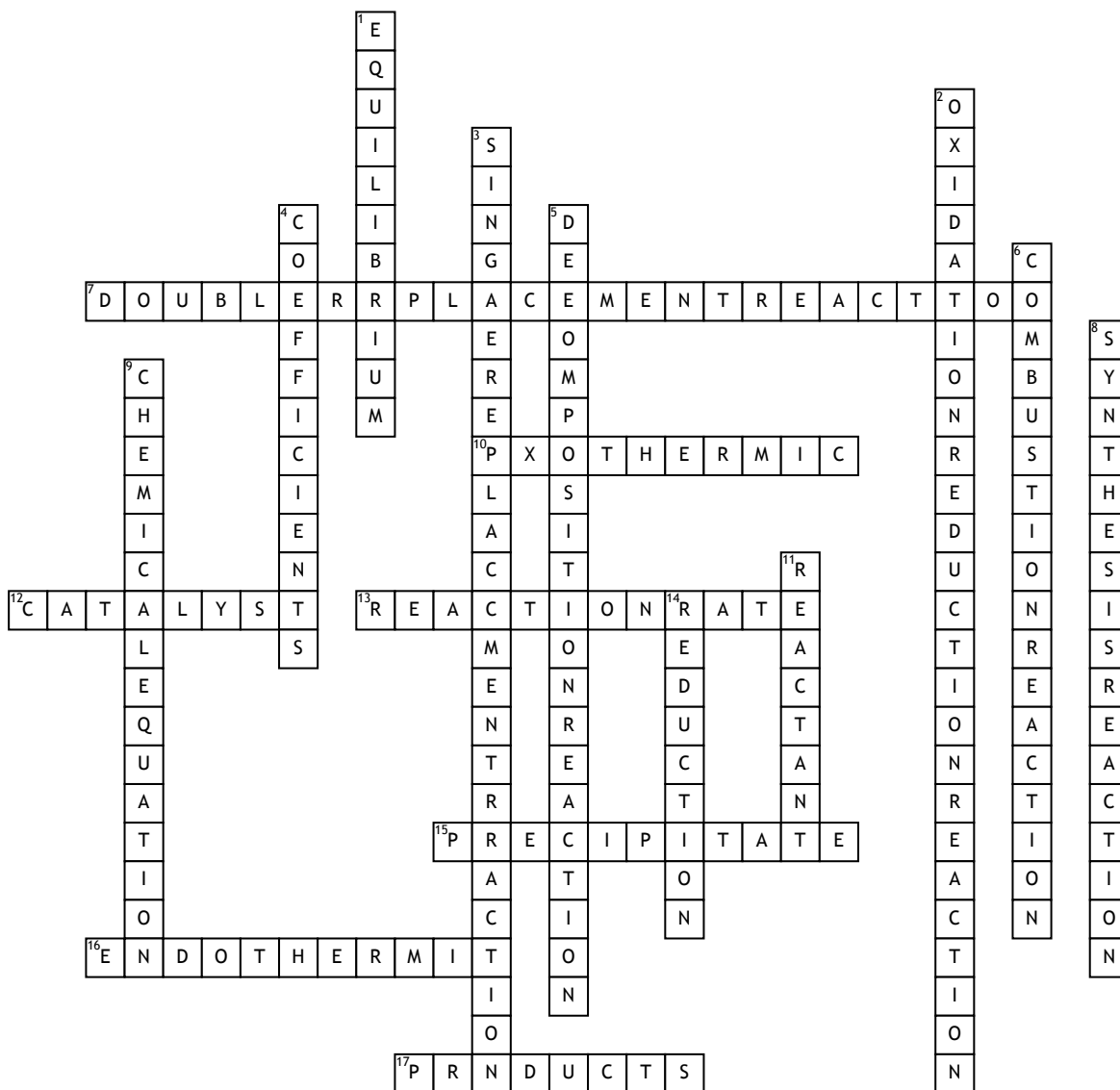


Name: \_\_\_\_\_

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

# CHEMICAL REACTIONS



## Across

7. A chemical reaction in which two compound exchange positive ions and form two new compounds.

10. A description of a change in which a system releases energy to its surrounding.

12. A substance that affects the rate of a chemical reaction without being used up in the reaction.

13. The rate at which reactants change into products over time.

15. A substance to be deposited in solid form from a solution.

16. A description of a change in which a system absorbs energy from its surrounding.

17. New substances formed as a result of a chemical reaction.

## Down

1. A state in which the forwards and reverse paths of a physical or chemical change take place at the same time.

2. A chemical reaction in which electrons are transferred from one reactant to another.

3. A chemical reaction in which one element takes another element's place in a compound.

4. Numbers that appear before a formula in a chemical equation to show the relative proportions of each reactant and product.

5. A chemical reaction in which a compound breaks down into two or more simpler substances.

6. A chemical reaction in which a substance reacts rapidly with oxygen, often producing heat and light.

8. A chemical reaction in which two or more substances react to form a single substance.

9. A representation of a chemical reaction in which the reactants and products are expressed as formulas.

11. A substance that undergoes change in a chemical reaction.

14. The action or fact of making a specified thing smaller or less in amount, degree, or size.