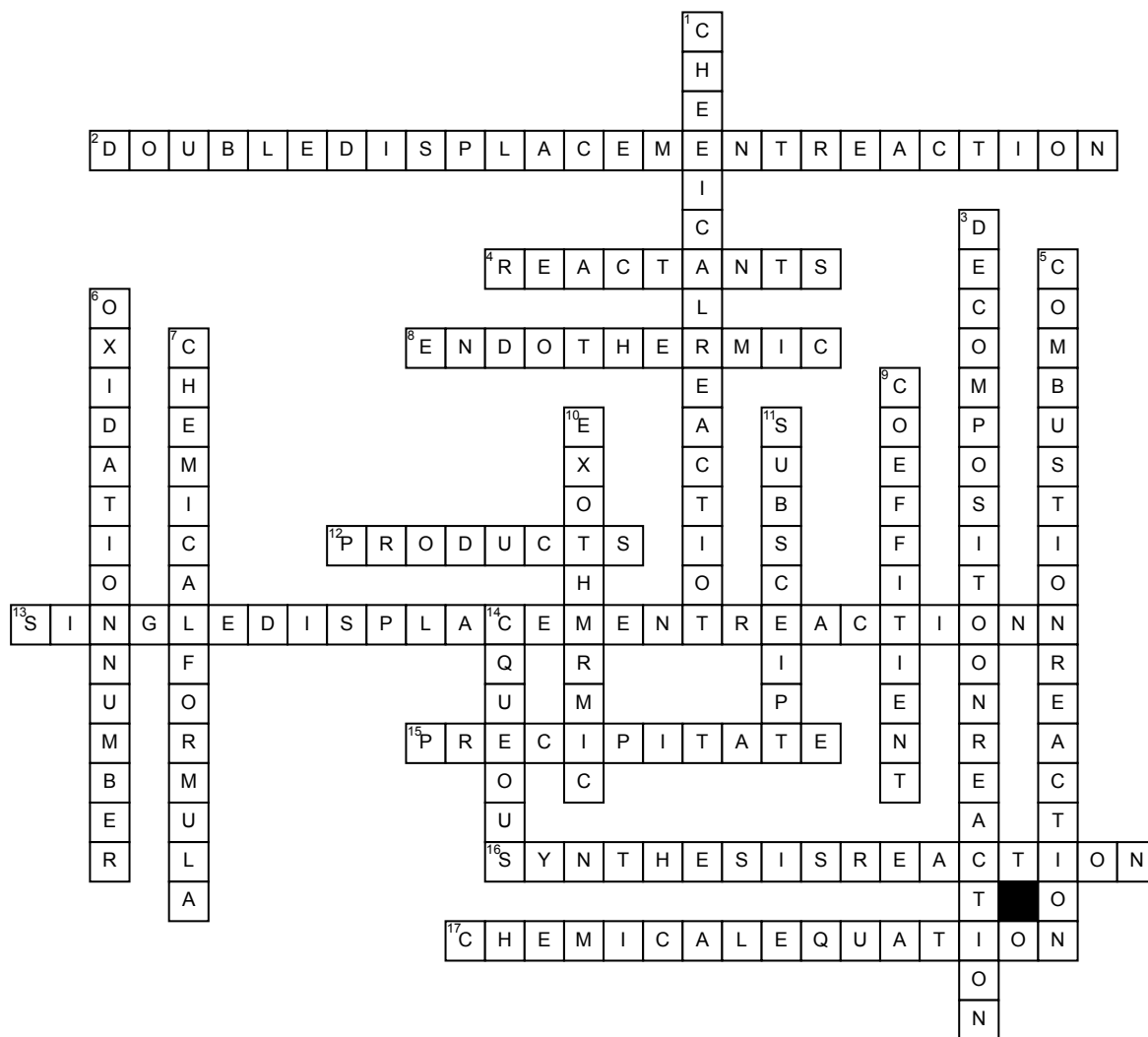


Name: _____

Date: _____

Chemical Formulas and Chemical Reactions



Across

2. a chemical reaction in which the positive ion of one compound replaces the positive ion of another compound
4. the chemicals presented before a reaction
8. a chemical reaction that absorbs energy primarily in the form of heat
12. the new chemicals presented after a reaction
13. a chemical reaction in which one element replaces another element in a compound
15. an insoluble compound that comes out of solution during a double-displacement reaction

16. a chemical reaction in which two or more substances combine to form another substance

17. a way to describe a chemical reaction using chemical formulas and other symbols

Down

1. a change in which one or more substances are converted into new substances while energy is released or absorbed
3. a chemical reaction in which one substance breaks down into two or more substances
5. a reaction that occurs when a substance reacts with oxygen to release energy in the form of heat and light

6. the amount of valence electrons gained or lost between metals and nonmetals to become stable

7. representation of what elements a compound contains and the exact number of the atoms of each elements in a unit of the compound

9. a number that represents the number of units of each chemical taking part in a reaction

10. a reaction in which the energy released is in the form of heat

11. means "written below"

14. when water is the solvent for a reaction