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.