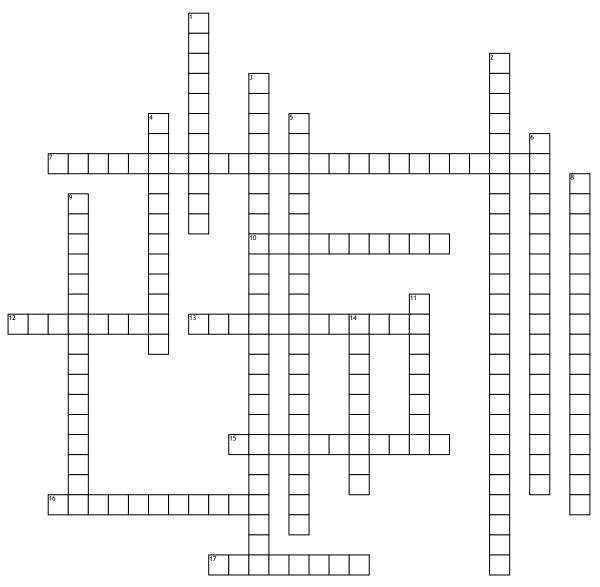
## CHEMICAL REACTIONS



## <u>Across</u>

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 pf 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 elements 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 from 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.