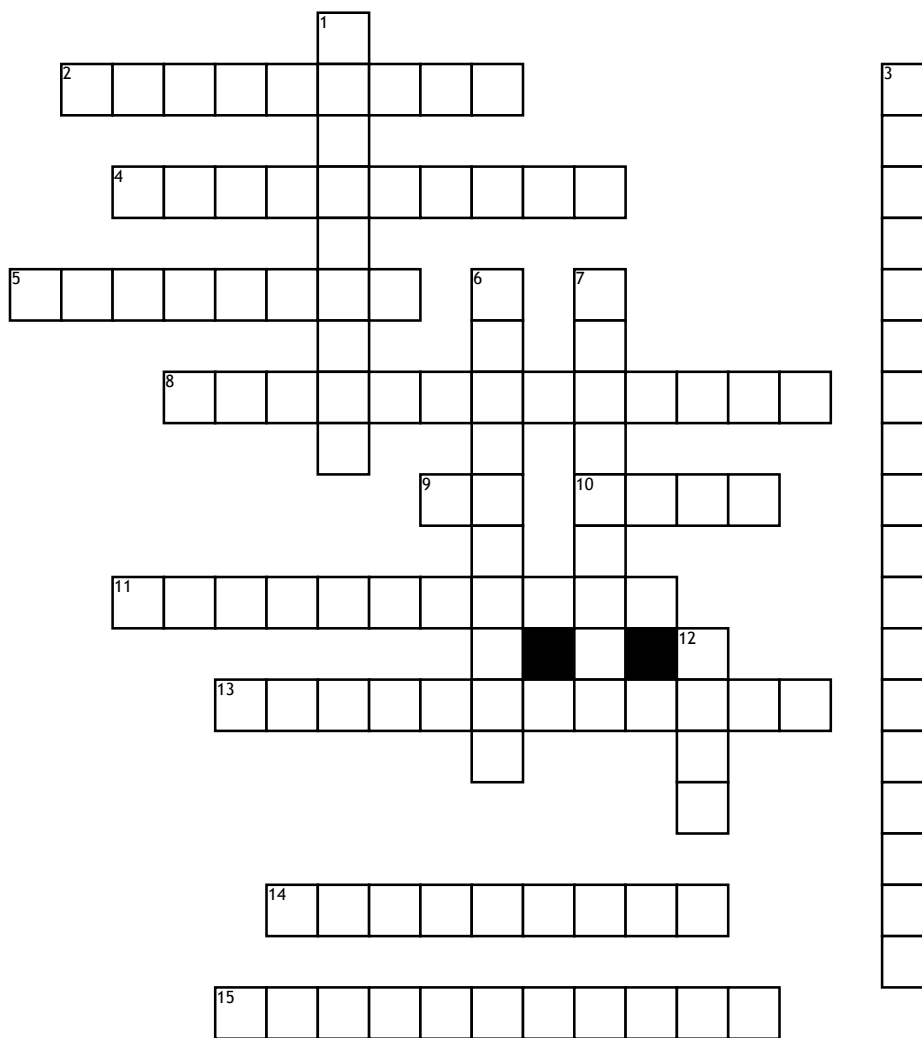


Chemical Reactions



Across

- 2. Chemical reaction in which 2 or more substances combine to form a different substance.
- 4. A type of chemical reaction that occurs when a substance reacts with oxygen to produce energy in the form of heat and light.
- 5. In a chemical reaction, the new substance or substances formed.
- 8. Chemical reaction in which one substance breaks down into 2 or more substances.

- 9. A measure of the concentration of hydronium ions in a solution using a scale ranging from 0 to 14, with 0 being the most acidic and 14 being the most base.
- 10. Substance that produces hydrogen ions (h+) in a water solution.
- 11. Chemical reaction that requires thermal energy in order to proceed.
- 13. the rate at which reactants change onto products in a chemical reaction.
- 14. In a chemical reaction, the substance that reacts
- 15. Number in a chemical equation that represents the number of units of each substance taking part in a chemical reaction.

Down

- 1. the gain of electrons by the atoms on a chemical reaction
- 3. reaction in which 2 ionic compounds in solution are combined, can produce a precipitate, water, or a gas.
- 6. Chemical reaction in which energy is primarily given off in the form of thermal energy
- 7. the loss of electrons from the atoms of a substance on a chemical reaction.
- 12. A substance that produces hydroxide ions (OH+) in a water solution.

Word Bank

- | | | | |
|---------------|---------------------|-----------|---------------|
| Oxidation | exothermic | reduction | base |
| pH | double-displacement | Reactants | reaction rate |
| endothermic | acid | synthesis | combustion |
| decomposition | coefficient | products | |