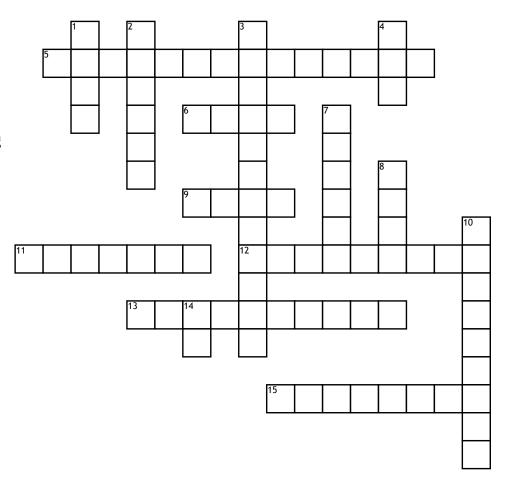
Name:	Date:	

Acids & Bases

Across

- **5.** A reaction between an acid and a base to form water and a salt
- **6.** A substance that dissolves in water and produces hydroxide ions (OH-) according to the Arrhenius theory. All bases are hydrogen ion acceptors, according to the Brønsted-Lowry theory.
- **9.** A substance that dissolves in water and produces hydrogen ions (H+), according to the Arrhenius theory. All acids are hydrogen ion donors, according to the Brønsted-Lowry theory.
- 11. The term that describes a solution with equal concentrations of [H3O+] and [OH-].
- **12.** The addition of base to an acid sample to determine the concentration of the acid.





- **13.** Substances that can act as either an acid or a base in water.
- 15. The point at which an indicator changes color. For the indicator phenolphthalein, the color change occurs when the number of moles of OH- is equal to the number of moles of H3O+ in the sample.

Down

- 1. A base that is a poor acceptor of H+ and produces only a small number of ions in water.
- **2.** An acid that completely dissociates in water.
- **3.** The separation of an acid or a base into ions in water

- **4.** A measure of the [OH-] in a solution; pOH = -log[OH-].
- 7. A solution of a weak acid and its conjugate base or a weak base and its conjugate acid that maintains the pH by neutralizing added acid or base.
- **8.** An ionic compound that contains a metal ion or NH4 + and a nonmetal or polyatomic ion other than OH-.
- **10.** A substance added to a titration sample that changes color when the pH of the solution changes.
- **14.** A measure of the [H3O+] in a solution; pH = -log[H3O+].