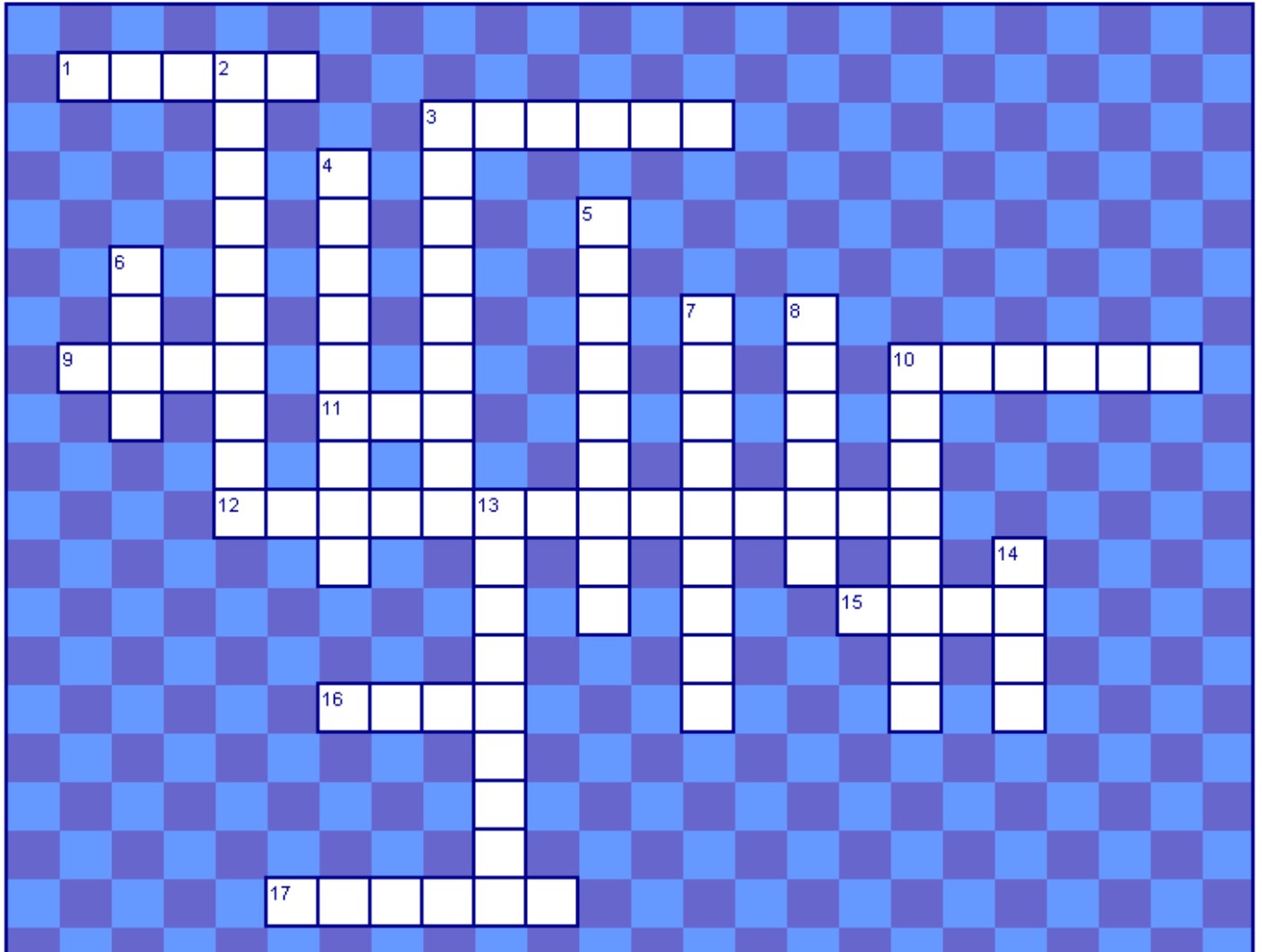


Acid Crossword Puzzle

Instructions: Complete the crossword puzzle. Use the clues to help you solve the puzzle. Write answers on blanks.



Across

1. _____ equation - An equation in which substances that primarily exist as ions in solution are shown as ions.
3. _____ acid - An acid that is completely ionized in water; no molecules exist in the water solution.
9. The general term used in chemistry to describe the ionic compound formed from the negative part of an acid and the positive part of a base. _____
10. _____ base - A base that is completely dissociated into separate ions when dissolved in water.
11. _____ ionic equation - The equation that results when ions common to both sides of the equation are removed, usually from an ionic equation.
12. _____ reaction - The reaction of an acid with a base, so called because the properties of both the acid and base are diminished or neutralized.
15. A substance that produces hydroxide ions when it dissolves in water.

16. A substance that produces hydronium ions when dissolved in water.

17. A solution that resists changes in pH when moderate amounts of acids or bases are added to it. _____

Down

2. The process where ions form from a covalent compound. _____
3. _____ ion - An ion that is present in solution but does not participate in the reaction.
4. _____ ion - A hydrogen ion attached to a water molecule.
5. Acidic _____ - A nonmetal oxide that reacts with water to form an acid.
6. _____ base - A base in which most of the molecules do not react with water to form ions.
7. The process of determining the molarity of an acid or base by using an acid-base reaction where one reactant is of known molarity. _____
8. _____ hydrogen - In an acid, any hydrogen that can be transferred to water.
10. _____ solution - A solution of known molarity used in a titration.
13. Basic _____ - A metal oxide that reacts with water to form a base.
14. _____ acid - An acid in which almost all the molecules remain as molecules when placed into a water solution.