## Chemistry Crossword Puzzle



## Across

3. The measurement of the amount of solute that is dissolved in a given quantity of solvent.
4. A chemical compound that changes color and structure when exposed to certain conditions and is therefore useful for chemical tests.
5. A substance that is slippery to the touch and tastes bitter; classified by numbers larger than 7 on the pH scale.
6. The process by which an atom or a molecule acquires a negative or positive charge by gaining or losing electrons to form ions, often in conjunction with other chemical changes.
7. A mixture whose size of particles are between those in a suspension and a true solution.
8. A solution containing the maximum amount of solute for a given amount of solvent. 17. The dissolving medium in a solution.
9. A solution that contains more solute than it can theoretically hold.
10. The concentration of solute in a solution measured in moles of solute per liter of solution.
11. A mixture whose size of particles are large enough to settle out.

## Down

1. Any acid that ionizes completely in solutions.
2. An object that does not have a positive or negative charge; a liquid that is not exceedingly basic or acidic.
3. A technique where a solution of known concentration is used to determine the concentration of an unknown solution.
4. A process in which molecules separate or split into smaller particles such as atoms.
5. A combination of a solvent and a solute.
6. The concentration of solute in a solution measured in moles of solute per kilogram of solvent.
7. The ion H3O+; consisting of a water molecule and is present in all aqueous acids. 11. The dissolved particles in a solution.
8. The amount of a substance that dissolves in a given quantity of solvent at specific conditions.
9. A chemical substance that neutralizes bases, dissolves some metals; a corrosive or sour-tasting liquid.
10. An acid that dissociates incompletely, releasing only some of its hydrogen atoms into the solution.
11. A scale expressing the acidity or alkalinity of a solution; 7 is neutral, whereas lower numbers are more acidic and higher numbers are more basic.
