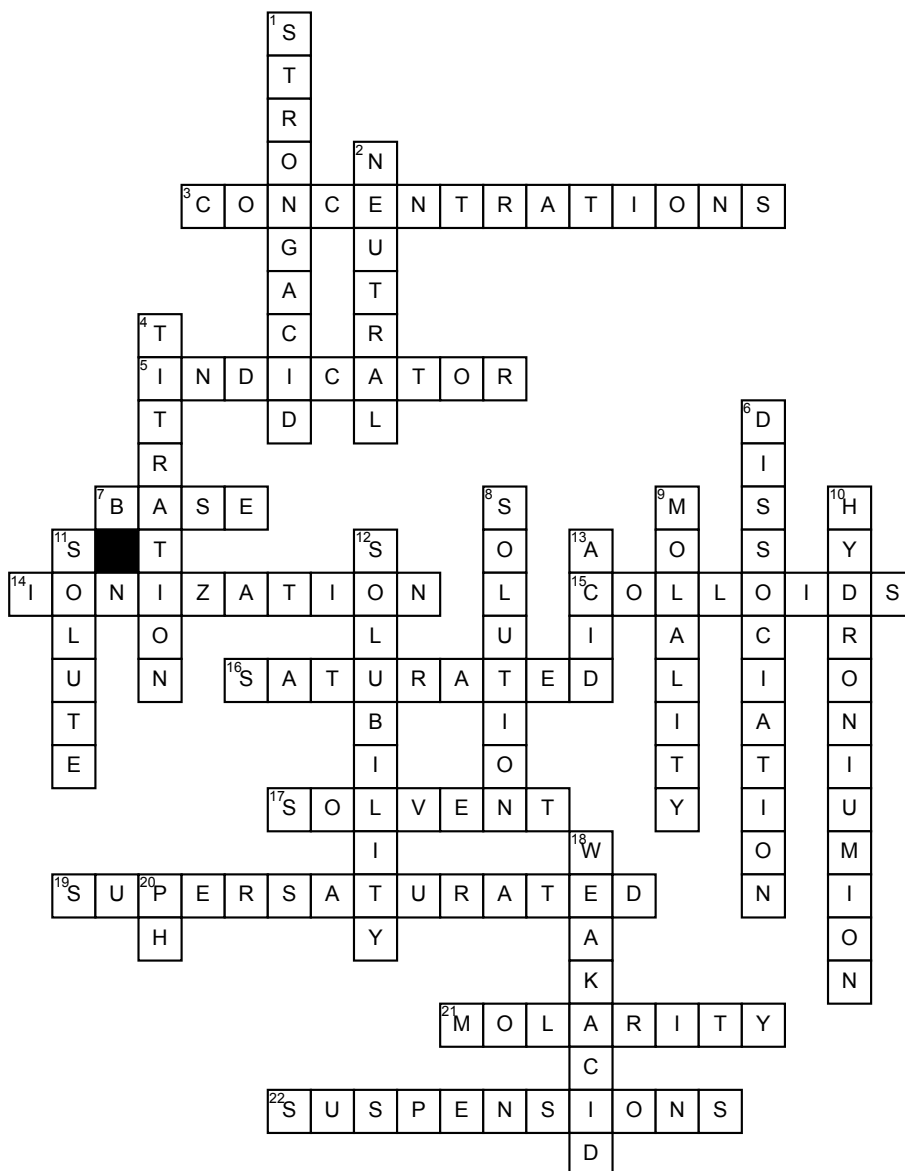


# Chemistry Crossword Puzzle



## Across

3. The measurement of the amount of solute that is dissolved in a given quantity of solvent.

5. A chemical compound that changes color and structure when exposed to certain conditions and is therefore useful for chemical tests.

7. A substance that is slippery to the touch and tastes bitter; classified by numbers larger than 7 on the pH scale.

14. 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.

15. A mixture whose size of particles are between those in a suspension and a true solution.

16. A solution containing the maximum amount of solute for a given amount of solvent.

17. The dissolving medium in a solution.

19. A solution that contains more solute than it can theoretically hold.

21. The concentration of solute in a solution measured in moles of solute per liter of solution.

22. 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.

4. A technique where a solution of known concentration is used to determine the concentration of an unknown solution.

6. A process in which molecules separate or split into smaller particles such as atoms.

8. A combination of a solvent and a solute.

9. The concentration of solute in a solution measured in moles of solute per kilogram of solvent.

10. The ion  $\text{H}_3\text{O}^+$ ; consisting of a water molecule and is present in all aqueous acids.

11. The dissolved particles in a solution.

12. The amount of a substance that dissolves in a given quantity of solvent at specific conditions.

13. A chemical substance that neutralizes bases, dissolves some metals; a corrosive or sour-tasting liquid.

18. An acid that dissociates incompletely, releasing only some of its hydrogen atoms into the solution.

20. 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.