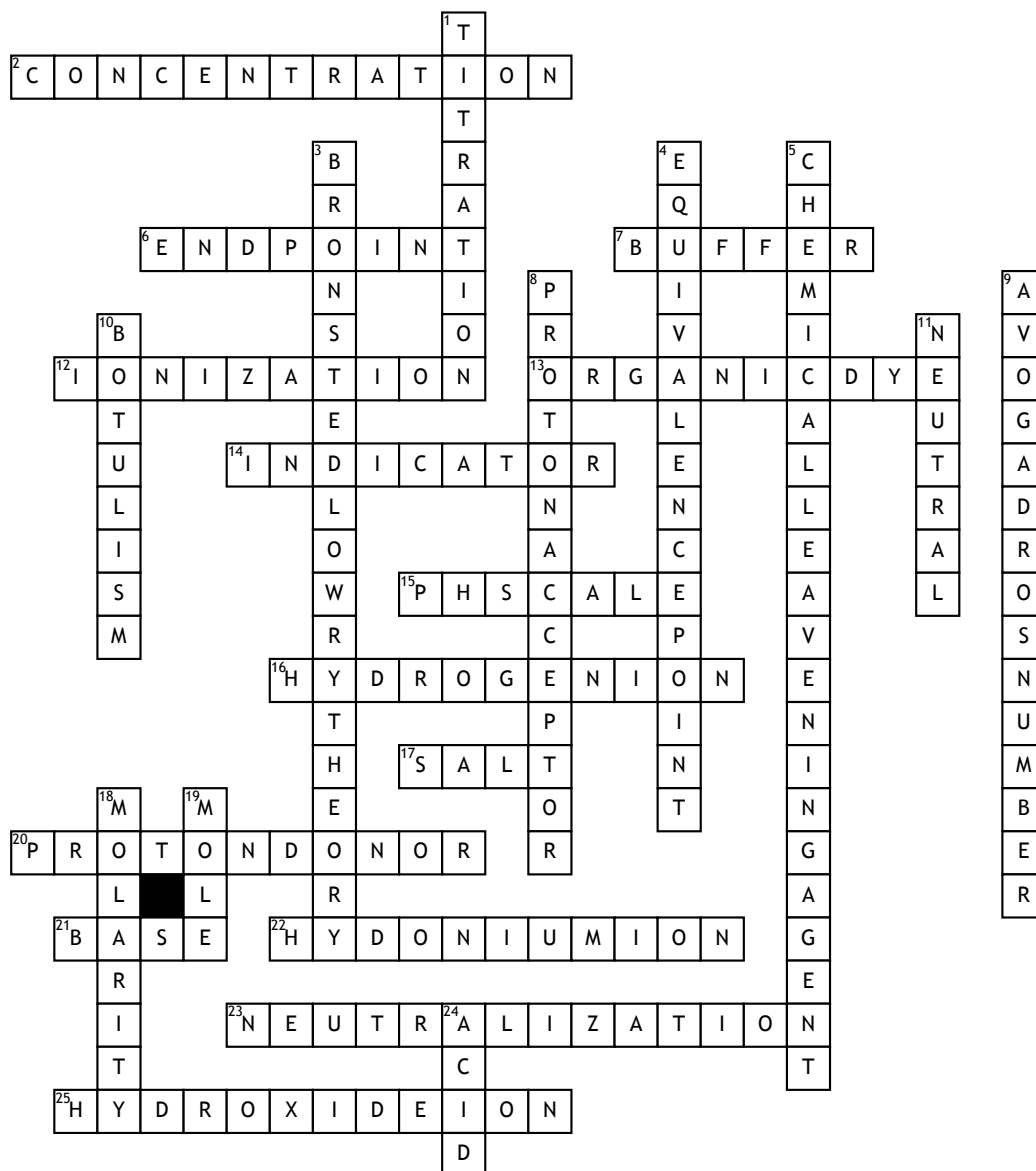


Food Science Chapter 6 Crossword



Across

2. Measure of parts of one substance to the known volume of another
6. Point at which there are equal numbers of acid and base molecules
7. Compound that helps stabilize pH by absorbing excess acids or bases in a solution
12. Process of forming ions
13. Naturally occurring color pigments that change color when exposed to acids or bases
14. Organic dye used to measure the pH through color change
15. Range that expresses the degree of concentration of hydrogen or hydronium ions present in a solution
16. Positively charged hydrogen atom, symbolized by H⁺

17. Acids and bases combine to form a compound with ionic bonds
 20. Compound such as an acid that easily gives up a proton
 21. Substance that produces hydroxide ions in water based solutions, also called alkalis
 22. Hydrogen atom bonded to a water molecule, symbolized as H₃O⁺
 23. Point at which all ions in a solution have chemically combined
 25. Negatively charged oxygen and hydrogen group
- ## Down
1. Process used to measure the pH of foods
 3. Scientific principle that identifies acids as proton donors and bases as proton acceptors

4. Point at which there are equal numbers of acid and base molecules
5. Ingredient added to baked goods to lighten or aerate the finished product
8. Compounds such as a base that accept protons
9. Number of particles
10. Deadliest type of food borne illness, which is caused by a toxin produced by the bacteria Clostridium Botulinum
11. When it has an equal number of positive and negative charges
18. Measure of solute concentration expressed as moles per liter
19. Avogadro's number of particles of any substance
24. Substance that produces hydrogen or hydronium ions in water based solutions