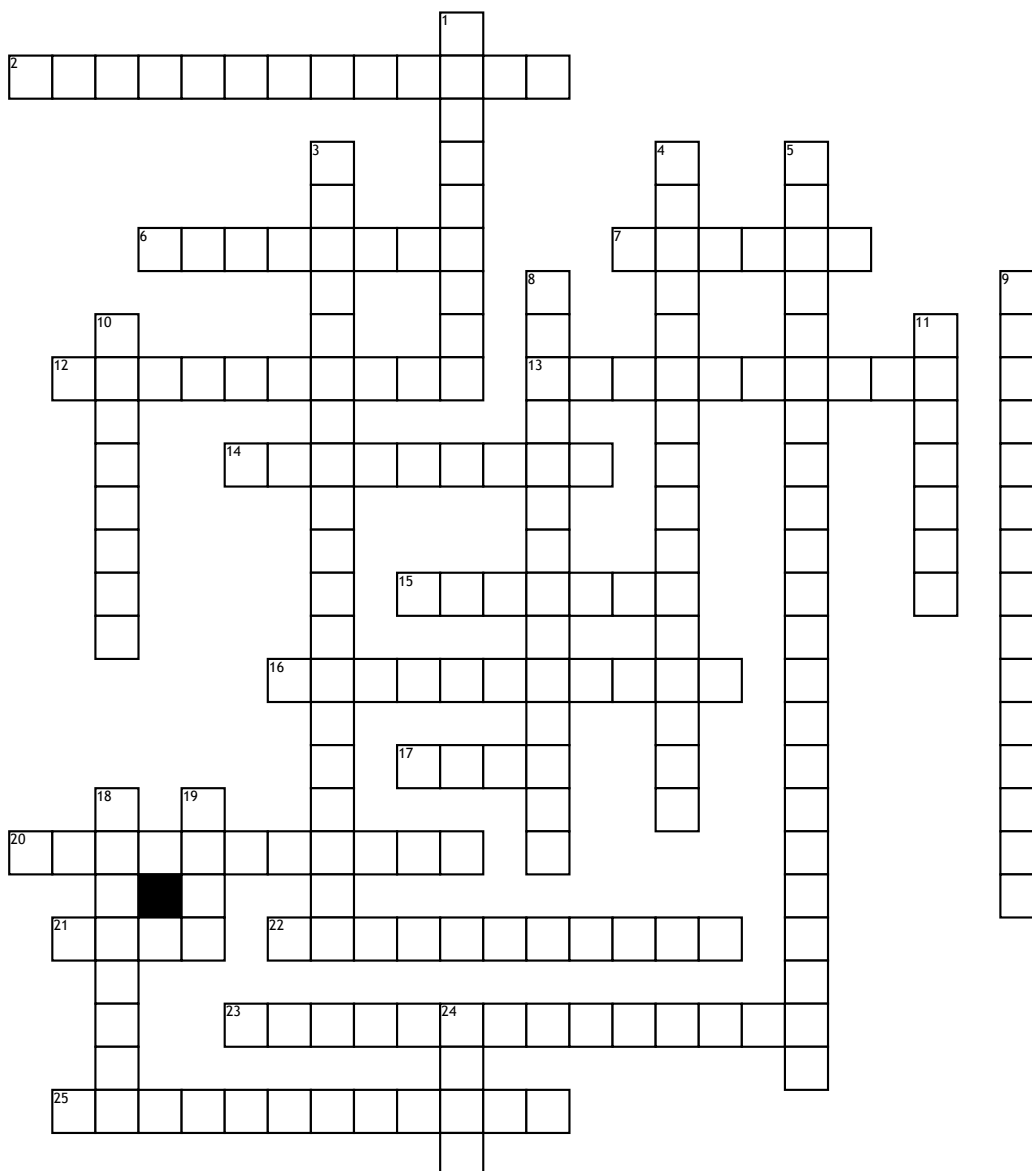


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# 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<sup>+</sup>

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 H<sub>3</sub>O<sup>+</sup>  
 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 foods to lighten or aerate the finished product  
 8. Compounds such as a base that accepts 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