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Food Science Chapter 6 Crossword

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| **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.** natrurally occuring 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 a 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.** ydrogen 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 naked goods 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 bourne illness, which is caused by a toxin produced by the bacteria Clostridium Botulinium  **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 |