

## *What Makes Solutions Acidic Or Basic*

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### **What Makes Solutions Acidic Or**

Now there are more hydrogen ions than hydroxide ions in the solution. This kind of solution is acidic. A base is a substance that accepts hydrogen ions. When a base is dissolved in water, the balance between hydrogen ions and hydroxide ions shifts the opposite way.

### **Acids, Bases, & the pH Scale - Science Buddies**

If a solution have a higher concentration of  $H^+$  ions, then the solution is an acidic solution. If a solution has a higher concentration of  $OH^-$  ions, then the solution is a basic solution. .

### **What ion makes a solution acidic - answers.com**

Answers. Best Answer: The acidity of a solution is based on the hydrogen ion concentration or  $H^+$ . The pH is how the acidity of a solution is measured.  $pH = -\log(H^+)$  As the acidity increases, the pH decreases. pH is on a general scale of 0-14. A pH of 7 is neutral, a pH below 7 is considered acidic and a pH above 7 is considered basic.

### **What makes a solution acidic or basic? | Yahoo Answers**

What determines whether a solution is acidic or basic? Its hydrogen ion concentration determines whether a solution is to be acidic (pH below 7) or basic (pH higher than 7.0) .

### **What determines whether a solution is acidic or basic?**

Acidic solutions are any solution that has a higher concentration of hydrogen ions than water; solutions that have a lower concentration of hydrogen ions than water are called basic or alkaline solutions. Acidity is measured on a scale known as pH which sets water at 7; all acidic solutions have pH less than 7 and bases have pHs greater than 7.

### **Definition of Acidic Solution | Sciencing**

Give the name or formula of the ion that makes solutions acidic ... the Hydronium ion,  $H^+$  (aq) or  $H_3O^+$ (aq) makes solutions acidic, This ion comes from substances known as acids, and from the natural ionization/dissociation of water. Anonymous · 1 decade ago · 1. Thumbs up. 0.

### **Give the name or formula of the ion that makes solutions ...**

Solutions with the word "acid" in them, such as stomach acid and hydrochloric acid are acidic. Look at the Formula Although it isn't a perfectly reliable way of identifying a solution, in some cases a solution's molecular formula can help you identify whether it is acidic or basic.

### **How to Identify if a Solution Is Neutral, Base or Acidic ...**

An acidic solution is an aqueous solution that has a pH less than 7. Aqueous solutions are liquid mixtures made up of any chemical dissolved in water. The reason why the solution must contain water is that pH is a measure of the number of ions formed in water. Keep Learning.

### **What Is an Acidic Solution? | Reference.com**

An aqueous solution of an acid has a pH less than 7 and is colloquially also referred to as 'acid' (as in 'dissolved in acid'), while the strict definition refers only to the solute. A lower pH means a higher acidity, and thus a higher concentration of positive hydrogen ions in the solution.

### **Acid - Wikipedia**

A solution is defined as acidic if the concentration of hydrogen ions is greater than the concentration of hydroxide ions: acidic solution:  $[H^+] > [OH^-]$  where  $[H^+] =$  concentration of hydrogen ions in solution. and  $[OH^-]$  is the concentration of hydroxide ions in solution.

### **Acidic, Basic, Neutral Solutions Chemistry Tutorial**

A pH below 7 is an acidic solution; a pH above 7 is an alkaline solution. Physical change A change in the form or physical properties of a substance, without a chemical reaction or the creation of a new substance

### **Acidic solution Flashcards | Quizlet**

Answer Wiki. 2 Answers. , lives in Singapore. The  $\text{OH}^-$  ( $\text{OH}$  minus) ion makes a solution basic. This does not mean that the solution does not contain any  $\text{H}^+$  ions, it is just that the basic solution contains a larger proportion of  $\text{OH}^-$  ions. The presence of this ions causes the solution to readily react to many other types of compounds.

### **What ion makes a solution basic? How? - Quora**

Sodium acetate is a basic salt; the acetate ion is capable of deprotonating water, thereby raising the solution's pH. Acid salts are the converse of basic salts; they are formed in the neutralization reaction between a strong acid and a weak base. The conjugate acid of the weak base makes the salt acidic.

### **Acid-Base Properties of Salts | Boundless Chemistry**

An alkaline solution is a mixture of base solids dissolved in water. The potential of hydrogen, also known as the pH scale, measures the alkalinity or acidity level of a solution. The scale ranges from zero to 14. The midpoint 7 represents a neutral pH. A neutral solution is neither an acid nor alkaline.

### **What is an Alkaline Solution? | Livestrong.com**

Measures of acid strength. When the acidic medium in question is a dilute aqueous solution, the  $\text{H}^0$  is approximately equal to the pH value, which is a negative logarithm of the concentration of aqueous  $\text{H}^+$  in solution. The pH of a simple solution of an acid in water is determined by both  $K_a$  and the acid concentration.

### **Acid strength - Wikipedia**

A basic solution is an aqueous solution containing more  $\text{OH}^-$  ions than  $\text{H}^+$  ions. In other words, it is an aqueous solution with a pH greater than 7. Basic solutions contain ions, conduct electricity, turn red litmus paper blue, and feel slippery to the touch.

### **Basic Solution - Acid and Base Chemistry Definitions**

This may be a good reason to also make this a demonstration. The final tests on substances not labelled as acids, but which do show acidic properties when in water, need careful explanation. Bismuth nitrate in particular produces only a weakly acidic solution, and the reaction with magnesium may be very slow. Student questions

### **What makes a substance acidic?- Learn Chemistry**

What Makes A Solution Acidic If a solution have a higher concentration of  $\text{H}^+$  ions, then the solution is an acidic solution. If a solution has a higher concentration of  $\text{OH}^-$  ions, then the solution is a basic solution. What makes a solution acidic basic or neutral - answers.com

### **What Makes A Solution Acidic - besttechpractices.usc.edu**

An acidic solution can be formed when a non-metal oxide is dissolved in water. For example, magnesium oxide dissolves to form alkaline solutions. Sulfur dioxide and nitrogen dioxide however, will ...

### **Acids and bases - Revision 1 - National 5 Chemistry - BBC ...**

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