

ACIDS AND BASES

- A substance that produces hydrogen ions in solution is a(n) _____.
 - acid
 - base
- The familiar sour tastes of citrus fruits is caused by the presence of _____ in these foods.
 - acid
 - base
- An acid that ionizes almost completely in solution is a _____.
 - strong acid
 - weak acid
- The strength of a base is determined by _____.
 - the concentration of the solution
 - how completely it separates into ions in solution
- A substance that produces hydroxide ions in solution is a(n)
 - acid
 - base
- A hydrogen ion is indicated by _____.
 - H⁺
 - OH⁻
- The pH of a substance can be determined by using a device called _____.
 - an acid meter
 - a pH meter
- The term dilute is used to refer to the _____ of an acid or base.
 - strength
 - concentration
- A hydroxide ion is indicated by _____.
 - OH
 - OH⁻
- An organic compound that changes color in an acid or a base is an _____.
 - indicator
 - alcohol
- The acidity of a solution can be indicated by its _____.
 - pH
 - concentration
- On the pH scale, a solution with a pH of 7 is _____.
 - acidic
 - neutral
- When an acid is dissolved in water H⁺ ions form _____.
 - hydrogen molecules
 - hydrogen ions
- The formula for a hydrogen ion is _____.
 - H⁺
 - OH⁻
- On the pH scale, a solution with a pH of 3 is _____.
 - acidic
 - basic