ACIDS AND BASES

_____ 1. A substance that produces hydrogen ions in solution is a(n) _____.
a. acid b. base

_____ 2. The familiar sour tastes of citrus fruits is caused by the presence of _____ in these foods.
a. acid b. base

_____ 3. An acid that ionizes almost completely in solution is a _____.
a. strong acid b. weak acid

_____ 4. The strength of a base is determined by _____.
a. the concentration of the solution
b. how completely is separates into ions in solution

_____ 5. A substance that produces hydroxide ions in solution is a(n)
a. acid b. base

_____ 6. A hydrogen ion is indicated by _____.
a. H^+ b. OH^-

_____ 7. The pH of a substance can be determined by using a device called _____.
a. an acid meter b. a pH meter

_____ 8. The term dilute is used to refer to the ____ of an acid or base.
a. strength b. concentration

_____ 9. A hydroxide ion is indicated by _____.
a. **OH** b. OH^-

_____ 10. An organic compound that changes color in an acid or a base is an _____.
a. indicator b. alcohol

_____ 11. The acidity of a solution can be indicated by its _____
a. pH b. concertation

_____ 12. On the pH scale, a solution with a pH of 7 is _____.
a. acidic b. neutral

_____ 13. When an acid is dissolved in water H^+ ions form ____.
a. hydrogen molecules b. hydrogen ions

_____ 14. The formula for a hydrogen ion is _____.
a. H^+ b. OH^-

_____ 15. On the pH scale, a solution with a pH of 3 is _____.
a. acidic b. basic