Properties of acids and bases

Name_____

A B N

Write "acidic" or "basic" or "both acidic and basic" or "neutral" to indicate if the property describes a solution that is an acid, a base, both or neutral.

1. A solution has a pH greater than 7. 1. B
2. A solution turns the color of litmus to blue. 2. B
3. A solution has a higher concentration of H_3O^+ ions than OH- ions. 3. A
4. A solution has a pH equal to 7. 4. N
5. A solution changes color *of* indicators. 5. Both
6. A solution is added to water, and the H+ concentration of the water increases. 6. A
7. A solution has a higher concentration of hydroxide ion than hydrogen ion. 7. B
8. A solution with equal number of H+ions to OH- ions. 8. N
9. A solution increases the OH- ion concentration of another solution. 9. B
10. A solution decreases the alkalinity of another solution. 10. A
11. A Solution contains hydrogen ion as the only positive ion. 11. A
12. A solution undergoes neutralization reaction. 12. Both
13. A solution reacts with a metal to produce hydrogen gas. 13. A
14. A solution contains mobile ions that conducts electrical current. 14. Both
15. A solution that can turn litmus red. 15. A
16. A substance donates a proton in a reaction. 16. A
17. A substance accepts a hydrogen ion in a reaction. 17. B
18. A substance accepts a hydrogen ion in a reaction. 18. B