

1. When Lead nitrate and potassium iodide react, the yellow precipitate is lead (II) iodide.
2. The chemical formula of marble is  $\text{CaCO}_3$
3. The reaction in which loss as well as gain of electron takes place simultaneously is called Redox reaction.
4. Greater the surface area, faster the rate of reaction.
5. The pH range of human saliva is about 6.5-7.5.
6. Milk contains lactic acid.
7. Breaking of bonds is the major phenomenon in a decomposition reaction.
8. A solution of slaked lime is used for white washing walls.  
 $\text{Ca(OH)}_2 + \text{CO}_2 \rightarrow \text{CaCO}_3 + \text{H}_2\text{O}$
9. The amount of the substance present in a certain volume of the solution is called concentration.
10. The Hydrogen ion concentration in a solution is 0.001m, the pH is 3.
11. If the pH of a solution is 5.1, then the pOH is 8.9.
12. Decomposition of Ammonia into Nitrogen and Hydrogen is endothermic reaction.
13. A Catalyst is a substance which increases the reaction rate without being consumed in the reaction.
14. Powdered calcium carbonate reacts more readily with hydrochloric acid than marble chips. So, powdering of the reactants increases the surface area.
15. Acid + Base  $\rightarrow$  Salt + Water, is the expression for a neutralization reaction.
16. The value of the ionic product of water at 25°C is  $1.00 \times 10^{-14}$
17. If a flame is formed during combustion, it is called burning.
18. The negative sign in the rate of a reaction indicates the decrease in the concentration.
19. Aerated soft drinks contain dissolved carbon-di-oxide in a pop bottle.
20. Self-ionization is a reaction in which two like molecules react to give ions.
21. White enamel coating of our teeth is calcium phosphate.
22. The positive sign in the rate of a reaction indicates the increase in the concentration.
23. In physical equilibrium, the volume of all the phases remain constant.
24. If the reactants are gases, increasing their pressure will increase the reaction rate.
25. The pH of vinegar is 3  
The pH of egg white is 8
26. In double displacement reaction, Ions of identical charges are only interchanged.
27. In combustion reactions, one of the reactants must be oxygen.
28. If an iron nail is placed in an aqueous solution of copper (II) Sulphate, Iron displaces copper from its aqueous solution.