

### ACIDS, BASES AND SALTS

1. Strong acid among the following. ( )  
A) NaOH                      B) CH<sub>3</sub>COOH                      C) HCl                      D) NH<sub>4</sub>OH
2. Weak acid among the following. ( )  
A) NaOH                      B) CH<sub>3</sub>COOH                      C) HCl                      D) NH<sub>4</sub>OH
3. Strong base among the following. ( )  
A) NaOH                      B) CH<sub>3</sub>COOH                      C) HCl                      D) NH<sub>4</sub>OH
4. Weak base among the following. ( )  
A) NaOH                      B) CH<sub>3</sub>COOH                      C) HCl                      D) NH<sub>4</sub>OH
5. The PH value of a neutral solution [ ]  
A) 0                      B) 6                      C) 7                      D) 14
6. Strong acid among the solutions given below [ ]  
A) Solution with PH = 1                      B) Solution with PH = 4  
C) Solution with PH = 7                      D) Solution with PH = 14
7. Weak base among the solutions given below [ ]  
A) Solution with PH = 3                      B) Solution with PH = 7  
C) Solution with PH = 9                      D) Solution with PH = 13
8. When PH of rain water is less than \_\_\_\_\_, it is called acid rain.  
A) Solution with PH = 1                      B) Solution with PH = 5.6  
C) Solution with PH = 7                      D) Solution with PH = 14
9. Tooth decay starts when the PH of the mouth is lower than  
A) Solution with PH = 14                      B) Solution with PH = 5.6  
C) Solution with PH = 5.5                      D) Solution with PH = 7
10. To get rid of acidity, people use bases called antacids like milk of magnesia, a mild base ( )  
A) NaOH                      B) Mg(OH)<sub>2</sub>                      C) KOH                      D) NH<sub>4</sub>OH
11. The salt formed due to strong acid and strong base [ ]  
A) Acidic salt                      B) Basic salt                      C) Neutral salt                      D) Can't say
12. The salt formed due to strong acid and weak base [ ]  
A) Acidic salt                      B) Basic salt                      C) Neutral salt                      D) Can't say
13. The salt formed due to weak acid and strong base [ ]  
A) Acidic salt                      B) Basic salt                      C) Neutral salt                      D) Can't say
14. The salt formed due to weak acid and weak base [ ]  
A) Acidic salt                      B) Basic salt                      C) Neutral salt                      D) Can't say
15. Complete the equation of chloro – alkali process.. [ ]  
 $2 \text{NaCl} + 2 \text{H}_2\text{O} \rightarrow 2 \text{NaOH} + \dots\dots\dots + \text{H}_2$   
A) HCl                      B) HOCl                      C) Cl<sub>2</sub>                      D) NaCl
16. Raw material for the materials like sodium hydroxide, bleaching powder is [ ]  
A) Acid                      B) Base                      C) Common salt                      D) Water
17. The chemical name of backing soda... [ ]  
A) Sodium chloride                      B) Sodium hydroxide                      C) Sodium hydrogen carbonate                      D) Sodium carbonate
18. The chemical formula of washing soda... [ ]  
A) NaHCO<sub>3</sub>                      B) Na<sub>2</sub>CO<sub>3</sub>                      C) Na<sub>2</sub>CO<sub>3</sub>.10H<sub>2</sub>O                      D) NaCl
19. An ingredient in antacids... [ ]  
A) Sodium hydroxide                      B) Baking soda                      C) Washing soda                      D) Bleaching powder
20. Identify plaster of paris in the following... [ ]  
A) CaSO<sub>4</sub> .½ H<sub>2</sub>O                      B) CaSO<sub>4</sub> .2 H<sub>2</sub>O                      C) CuSO<sub>4</sub> .5 H<sub>2</sub>O                      D) Na<sub>2</sub>CO<sub>4</sub> .10 H<sub>2</sub>O
21. Colour of hydrate copper sulphate crystals.. [ ]  
A) White                      B) Blue                      C) Red                      D) Black
22. The material which doctors use for supporting fractured bones in the right position.. [ ]  
A) Gypsum                      B) Plaster of paris                      C) Copper sulphate                      D) Hydrated Copper sulphate
23. Water of crystallisation is the fixed number of \_\_\_\_\_ molecules present in one formula unit of salt  
A) Water                      B) Base                      C) Oxygen                      D) Hydrogen