CHAPTER 2

1. What is the pH of a neutral solution?
a) 0
b) 7
c) 14
d) 1
Answer: b) 7
2. Which of the following is not an acid?
a) HCl
b) H2SO4
c) NaOH
d) HNO3
Answer: c) NaOH
3. Which of the following is not a property of an acid?
a) It turns blue litmus red.
b) It reacts with bases to form salt and water.
c) It releases hydrogen ions (H+) in aqueous solution.
d) It has a bitter taste.
Answer: d) It has a bitter taste.
4. Which of the following is not a property of a base?
a) It turns red litmus blue.
b) It feels slippery to touch.
c) It reacts with acids to form salt and water.
d) It releases hydroxide ions (OH-) in aqueous solution.
Answer: a) It turns red litmus blue.
5. Which of the following is a strong acid?
a) CH3COOH

b) HNO2
c) H2SO4
d) H2CO3
Answer: c) H2SO4
6. Which of the following is a weak base?
a) NaOH
b) КОН
c) NH3
d) Ca(OH)2
Answer: c) NH3
7. What is the pH of a basic solution?
a) 0
b) 7
c) 14
d) 1
Answer: c) 14
8. Which of the following is not a salt?
a) NaCl
b) CaCO3
c) NH4Cl
d) H2SO4
Answer: d) H2SO4
9. Which acid is present in ant sting?
a) H2SO4
b) HCl
c) Formic acid
d) Nitric acid

Answer: c) Formic acid
10. Which of the following is not a use of baking soda?
a) As an antacid
b) As a leavening agent
c) As a cleaning agent
d) As a fuel
Answer: d) As a fuel
11. Which of the following is a natural indicator?
a) Litmus
b) Phenolphthalein
c) Methyl orange
d) All of the above
Answer: a) Litmus
12. Which of the following is a synthetic indicator?
a) Litmus
b) Phenolphthalein
c) Methyl orange
d) All of the above
Answer: b) Phenolphthalein
13. Which of the following is added to soil to make it more acidic?
a) Slaked lime
b) Quicklime
c) Ammonium sulfate
d) All of the above
Answer: c) Ammonium sulfate
14. Which of the following is added to soil to make it more basic?
a) Slaked lime

b) Quicklime
c) Ammonium sulfate
d) All of the above
Answer: a) Slaked lime
15. Which of the following is used to make soap?
a) Acids
b) Bases
c) Salts
d) All of the above
Answer: b) Bases
16. Which of the following is used to make toothpaste?
a) Acids
b) Bases
c) Salts
d) All of the above
Answer: c) Salts
17. Which of the following is used to make fertilizers?
a) Acids
b) Bases
c) Salts
d) All of the above
Answer: c) Salts
18. What happens when an acid reacts with a metal?
a) A salt and water are formed.
b) A base and water are formed.
c) A gas and water are formed.
d) A metal oxide and water are formed.

Answer: c) A gas and water are formed.
19. What is the gas formed when an acid reacts with a metal?
a) Hydrogen
b) Oxygen
c) Carbon dioxide
d) Nitrogen
Answer: a) Hydrogen
20. Which of the following is a strong base?
a) NaOH
b) KOH
c) NH3
d) Ca(OH)2
Answer: d) Ca(OH)2
21. Which of the following is a weak acid?
a) HCl
b) HNO3
c) CH3COOH
d) H2SO4
Answer: c) CH3COOH
22. Which of the following is a strong acid?
a) HCI
b) HNO3
c) CH3COOH
d) H2SO4
Answer: a) HCl
23. Which of the following is a weak base?
a) NaOH

b) KOH
c) NH3
d) Ca(OH)2
Answer: c) NH3
24. Which of the following is a strong base?
a) NaOH
b) кон
c) NH3
d) Ca(OH)2
Answer: a) NaOH
25. What is the pH of a neutral solution?
a) 0
b) 7
c) 14
d) None of the above
Answer: b) 7
26. What is the pH of an acidic solution?
a) Less than 7
b) Greater than 7
c) Equal to 7
d) None of the above
Answer: a) Less than 7
27. What is the pH of a basic solution?
a) Less than 7
b) Greater than 7
c) Equal to 7
d) None of the above

Answer: b) Greater than 7
28. What is the pH of lemon juice?
a) 2
b) 7
c) 10
d) 14
Answer: a) 2
29. What is the pH of milk of magnesia?
a) 2
b) 7
c) 10
d) 14
Answer: c) 10
30. What is the pH of bleach?
a) 2
b) 7
c) 10
d) 14
Answer: d) 14