1. V	What is an acid?
B C	A substance that increases the concentration of hydronium ions in a solution A substance that decreases the concentration of hydronium ions in a solution A substance that increases the concentration of hydroxide ions in a solution A substance that decreases the concentration of hydroxide ions in a solution
2. V	What is a base?
B C	A substance that increases the concentration of hydronium ions in a solution A substance that decreases the concentration of hydronium ions in a solution A substance that increases the concentration of hydroxide ions in a solution A substance that decreases the concentration of hydroxide ions in a solution
3. V	Which of the following is an example of an acid?
B. ; C. :	HCl NaOH NH3 H2O
4. V	Which of the following is an example of a base?
B C	HCl NaOH NH3 H2O
5. V	What is the pH of a solution with a [H3O+] concentration of 1.0 x 10-7 M?
A. B. C. D.	6 5
6. V	What is the pH of a solution with a [H3O+] concentration of 1.0 x 10-3 M?
A. B. : C. D.	2 1
7. <b>V</b>	What is the pH of a solution with a [H3O+] concentration of 1.0 x 10-1 M?
A. B. C. D.	2 3
8. V	What is the pH of a solution with a [H3O+] concentration of 1.0 M?
A. B. C. D.	1 2

9. What is the pH of a solution with a [H3O+] concentration of 1.0 x 101 M?

A. 4 B. 3 C. 2 D. 1
10. What is the pH of a solution with a [H3O+] concentration of 1.0 x 103 M?
A. 6 B. 5 C. 4 D. 3
11. What is the pH of a solution with a [H3O+] concentration of 1.0 x 105 M?
A. 8 B. 7 C. 6 D. 5
12. What is the pH of a solution with a [H3O+] concentration of 1.0 x 107 M?
A. 10 B. 9 C. 8 D. 7
13. What is the pH of a solution with a [H3O+] concentration of 1.0 x 10-9 M?
A. 9 B. 8 C. 7 D. 6
14. What is the pH of a solution with a [H3O+] concentration of 1.0 x 10-11 M?
A. 11 B. 10 C. 9 D. 8
15. What is the pH of a solution with a [H3O+] concentration of 1.0 x 10-13 M?
A. 13 B. 12 C. 11 D. 10
16. What is the pH of a solution with a [H3O+] concentration of 1.0 x 10-15 M?
A. 15 B. 14 C. 13 D. 12
17. What is the pH of a solution with a [H3O+] concentration of 1.0 x 10-17 M?
A. 17 B. 16

C. 15 D. 14
18. What is the pH of a solution with a [H3O+] concentration of 1.0 x 10-19 M?
A. 19 B. 18 C. 17 D. 16
19. What is the pH of a solution with a [H3O+] concentration of 1.0 x 10-21 M?
A. 21 B. 20 C. 19 D. 18
20. What is the pH of a solution with a [H3O+] concentration of 1.0 x 10-23 M?
A. 23 B. 22 C. 21 D. 20
21. What is the pH of a solution with a [H3O+] concentration of 1.0 x 10-25 M?
A. 25 B. 24 C. 23 D. 22
22. What is the pH of a solution with a [H3O+] concentration of 1.0 x 10-27 M?
A. 27 B. 26 C. 25 D. 24
23. What is the pH of a solution with a [H3O+] concentration of 1.0 x 10-29 M?
A. 29 B. 28 C. 27 D. 26
24. What is the pH of a solution with a [H3O+] concentration of 1.0 x 10-31 M?
A. 31 B. 30 C. 29 D. 28
25. What is the pH of a solution with a [H3O+] concentration of 1.0 x 10-33 M?
A. 33 B. 32 C. 31 D. 30

- 1. A 2. D 3. A 4. B 5. A 6. B 7. C 8. D 9. A 10. B 11. C 12. D 13. A 14. B 15. C 16. D 17. A 18. B 19. C 20. D 21. A 22. B 23. C 24. D 25. A