

Answers to problems in pages 567-568

Practice Problems

40. $6.13 \times 10^{-7} \text{ M}$

41. $2.74 \times 10^{-14} \text{ M}$

42. $1.7 \times 10^{-3} \text{ mol}$

43. $5.35 \times 10^{-12} \text{ M}$

44. $[\text{OH}^-] = 0.300 \text{ M};$
 $[\text{H}_3\text{O}^+] = 3.33 \times 10^{-14} \text{ M}$

45. $1.41 \times 10^{-7} \text{ M}$

46. 1.52

47. 12.13

48. 0.82

49. 12.91

50. 0.54

51. a. 2.3

b. 1.3

c. 0.3

d. -0.7

52. 13.81

53. 13.48

54. 9.00

55. 0.17