

PRACTICE

Answers in Appendix E

1. The pH of a solution is determined to be 5.0. What is the hydronium ion concentration of this solution?
2. The pH of a solution is determined to be 12.0. What is the hydronium ion concentration of this solution?
3. The pH of an aqueous solution is measured as 1.50. Calculate the $[\text{H}_3\text{O}^+]$ and the $[\text{OH}^-]$.
4. The pH of an aqueous solution is 3.67. Determine $[\text{H}_3\text{O}^+]$.