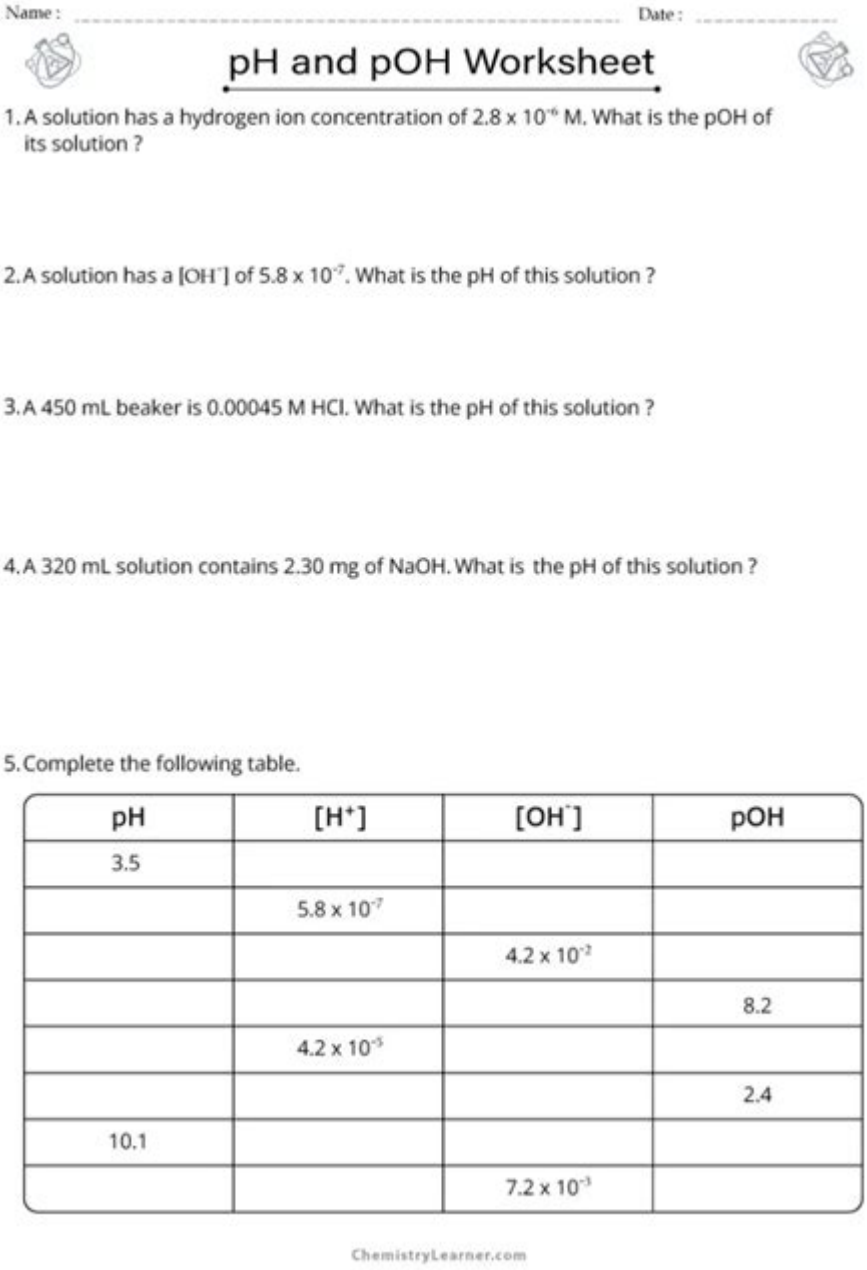
Ph And Poh Continued Worksheet Answers



Name : ..... Date : .....

pH and pOH Worksheet

1. A solution has a hydrogen ion concentration of 2.8×10^{-6} M. What is the pOH of its solution ?

2. A solution has a $[OH^-]$ of 5.8×10^{-7}. What is the pH of this solution ?

3. A 450 mL beaker is 0.00045 M HCl. What is the pH of this solution ?

4. A 320 mL solution contains 2.30 mg of NaOH. What is the pH of this solution ?

5. Complete the following table.

pH	$[H^+]$	$[OH^-]$	pOH
3.5			
	5.8×10^{-7}		
		4.2×10^{-2}	
			8.2
	4.2×10^{-5}		
			2.4
10.1			
		7.2×10^{-3}	

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pH and pOH Continued Worksheet Answers are vital for students and professionals alike, as they delve into the fundamental concepts of acid-base chemistry. Understanding these concepts is crucial for various applications, from laboratory settings to industrial processes and even environmental science. In this article, we will explore the definitions and importance of pH and pOH, their relationship, how to calculate them, common worksheet problems, and practical applications.

Understanding pH and pOH