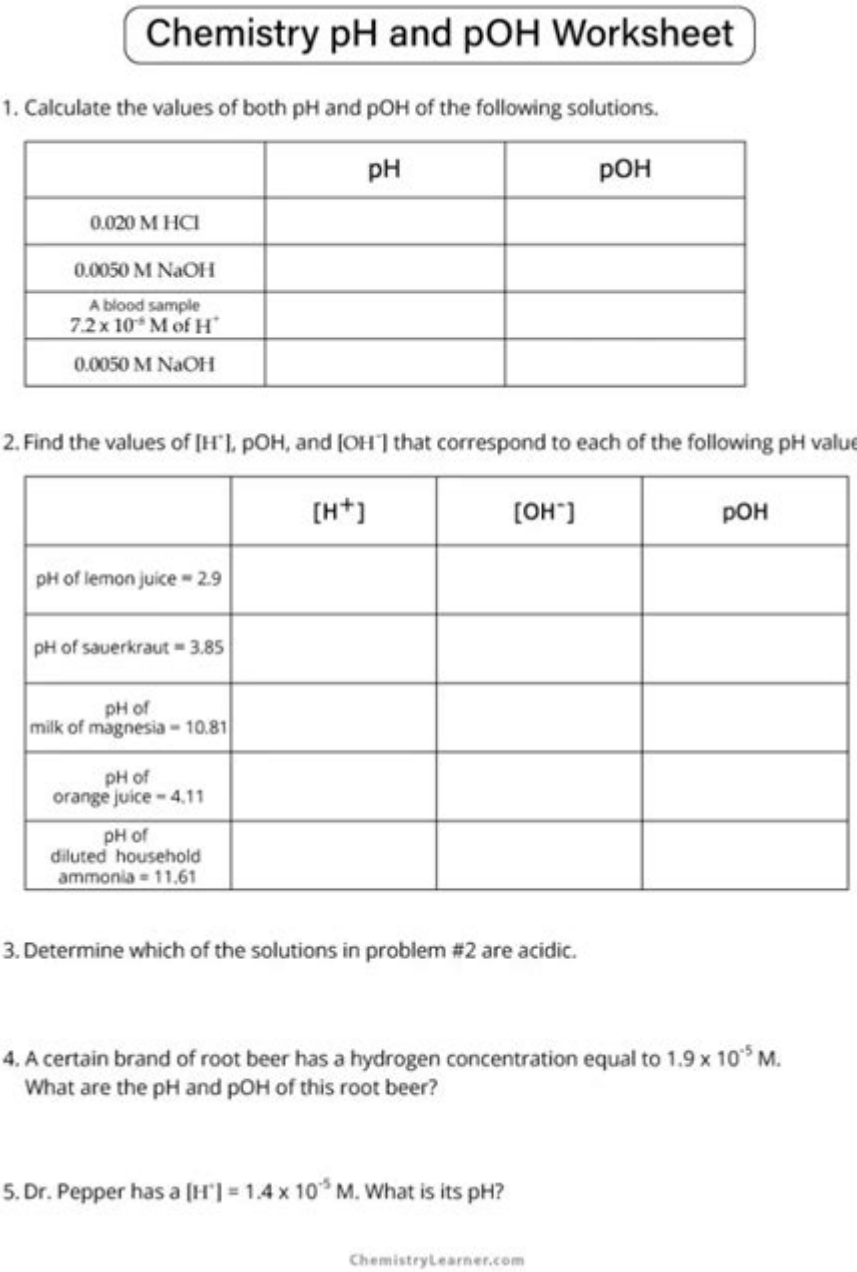
Chemistry Ph And Poh Calculations Worksheet



Chemistry pH and pOH Worksheet

1. Calculate the values of both pH and pOH of the following solutions.

	pH	pOH
0.020 M HCl		
0.0050 M NaOH		
A blood sample 7.2×10^{-8} M of H^+		
0.0050 M NaOH		

2. Find the values of $[H^+]$, pOH, and $[OH^-]$ that correspond to each of the following pH values.

	$[H^+]$	$[OH^-]$	pOH
pH of lemon juice = 2.9			
pH of sauerkraut = 3.85			
pH of milk of magnesia = 10.81			
pH of orange juice = 4.11			
pH of diluted household ammonia = 11.61			

3. Determine which of the solutions in problem #2 are acidic.

4. A certain brand of root beer has a hydrogen concentration equal to 1.9×10^{-5} M. What are the pH and pOH of this root beer?

5. Dr. Pepper has a $[H^+] = 1.4 \times 10^{-5}$ M. What is its pH?

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Chemistry pH and pOH Calculations Worksheet is an essential tool for students and professionals in the field of chemistry. Understanding pH and pOH is crucial for various applications, including environmental science, biology, medicine, and industrial processes. This article will explore the concepts of pH and pOH, the calculations involved, and how a worksheet can facilitate learning and application of these important concepts.

Understanding pH and pOH