

Ph And Poh Calculations Worksheet With Answers

Name: _____ Date: _____

pH and pOH

Fill in the missing sections:

	[H ⁺]	pH	[OH ⁻]	pOH	Acid or Base
1.	1×10^{-6}	6	1×10^{-8}	8	Acid
2.	1×10^{-9}	9	1×10^{-5}	5	Base
3.	2.5×10^{-9}	8.6	4×10^{-6}	5.4	Base
4.	4.0×10^{-12}	11.4	2.5×10^{-3}	2.6	Base
5.	2.5×10^{-8}	7.6	4.0×10^{-7}	6.4	Base
6.	1.6×10^{-5}	4.8	6.3×10^{-10}	9.2	Acid
7.	3.16×10^{-3}	2.50	3.16×10^{-12}	11.50	Acid
8.	1.6×10^{-6}	5.8	6.3×10^{-9}	8.2	Acid
9.	5.0×10^{-2}	1.3	2.0×10^{-13}	12.7	Acid
10.	1.3×10^{-10}	9.9	7.9×10^{-5}	4.1	Base
11.	3.33×10^{-7}	6.48	3.00×10^{-8}	7.52	Acid
12.	8.00×10^{-11}	10.10	1.25×10^{-4}	3.90	Base
13.	5.0×10^{-4}	3.3	1.9×10^{-11}	10.7	Acid
14.	3.2×10^{-14}	13.5	3.2×10^{-1}	0.5	Base
15.	1.50×10^{-5}	4.8	6.67×10^{-10}	9.18	Acid

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pH and pOH Calculations Worksheet with Answers

Understanding pH and pOH is fundamental in the study of chemistry, especially in areas related to acid-base chemistry. pH and pOH are measures of the acidity and basicity of a solution, respectively. This article provides a comprehensive overview of pH and pOH calculations, including a worksheet with sample problems and their answers. By mastering these calculations, students and chemists can better understand the properties of solutions and their reactions.

What are pH and pOH?