

Chemistry Quiz REVIEW
pH, pOH, and Neutralization

Name _____
Date _____ Hour _____

Complete the table.

[H ⁺]	pH	pOH	[OH ⁻]	Acidic, Basic or Neutral ?
1.78×10^{-3}	2.75	11.25	5.62×10^{-12}	Acid
1.45×10^{-5}	4.84	9.16	6.92×10^{-10}	Acid
1.32×10^{-8}	7.88	6.12	7.59×10^{-7}	Base
8.71×10^{-2}	1.06	12.94	1.15×10^{-13}	Acid

$$[H^+] = 10^{-2.75}$$

$$pH = -\log(1.45 \times 10^{-5})$$

$$[H^+] = 10^{-7.88}$$

$$[H^+] = 10^{-1.06}$$

$$[OH^-] = 10^{-11.25}$$

$$[OH^-] = 10^{-9.16}$$

$$[OH^-] = 10^{-6.12}$$

$$pOH = -\log(1.15 \times 10^{-13})$$