pH + pOH = 14 $-\log[H^+] = pH$ $10^{-pH} = [H^+]$ $[H^+][OH^-] = 1.0E-14$

Is it possible to have a pH greater or smaller then 14 and 0 respectively? Yes but only on paper Which pH is basic and which is acidic?

O-A-7-B/4

he following questions, calculate the pH from the concentrations of [H₃O+1]. Indicate acidic or basic [H₃O+1] ...to... In the following questions, calculate the pH from the concentrations of [H₃O⁺]. Indicate acidic or basic

	[H ₃ O ⁺]	to	<u>pH</u>
4.	1.0		\bigcirc
5.	0.1		1
6.	0.01		2
7.	0.001		~
			-50

- What is the $[H_3O^+]$ at neutral?
- 9. What is the [OH-1] at neutral?

In the following calculate the concentration of H_3O^+ from the pH.

<u>рН</u>	to	<u>H₃O</u> +					
10. 7		1.0 G-7					
11. 2 0.0	W						
12. 3.5	0.00316						
Calculate the pOH from the following pH .							
pН	to	<u>pOH</u>					
12 10		(SEE)					

13. 12 13 14. 1

Calculate the **<u>pOH</u>** from the following concentrations of H_3O^+ .

H ₃ O ⁺	ŧ0		<u>HOq</u>
15. [1.05 E-16 M]	15,9	04414	-
16. [2.5 E 6 M]			5,60
17. [1.5 E –12 M] 18. [.0001M]	11.8		
18. [.0001M] 🖳			

Calculate the pH from the following concentrations of PH

- 23. Student hypothesis: A person's stomach is extremely acidic and therefore there is no hydroxide ions in the stomach.

False, Ht OUT

Just means my [H] > [GH]

OH always Rusund