Review for retakes		Name	Key	hr
1. Write the dissocia	tion equation of water $+ OH^-$		0	pH = - log [<i>H</i> ₃ <i>O</i> +] [<i>H</i> ₃ <i>O</i> +] = 10 ^{-pH} pOH = - log [<i>OH</i> -]
2. What is the name	of H30+ ? hydronium	n	10.0	pH + pOH = 14 $[H_3O^+][OH^-] = 1 \times 10^{-14}$
3. What is the name	of OH? hydroxide			[monton]
4. In a solution with	$oH = 7$, how does the $[H_3O^+]$ co	ompare to the	e [OH·]? 🕡	eutral)
Which do y	ou have more of? [H30t]	= [OH-]		
5. What is the factor	between each pH unit (pH = 1	and pH = 2)?	10,	x's_
6. What is the factor	petween 2 pH units (pH = 4 a		100x'	5
7. What is the pH of a	solution of 0.0023 M HBr?	2.64		
p4=-105(H30+	solution of 0.0023 M HBr?	2.64	- T	
8. What is the pH of a			01_	5 001
0H=-109H307]	-log(9.8×10-6)	= -log	9.8 EE	1-6=5,01
M= 0.0023mol	solution with 0.0023 moles of $= 3.37 \times 10^{-7} M$	of HBr in 6,830 $\rho H = -$	O Liter of w	vater? <u>6.47</u> 37 EE - 7 = 6.47
[H3O]= 10				
11. If a solution has a $(30)^2 = (10)^2 - (6.7)^2$	pH = 6.7, then [<i>H₃O+]</i> = <u>2.0</u>	X/D acid	lic or basic	? (pH 6,7-below 7)
12. If a solution has a	$[OH-] = 6.3 \times 10^{-9}$, then $[H_3O] = 1 \times 10^{-14}$		10	
13. If a solution has a	$[H_3O^+] = 8.1 \times 10^{-2}$, then $[OH_3O^+] = \frac{1 \times 10^{-14}}{8.1 \times 10^{-2}}$	+-] = <u>1,23</u> x	40 ¹³ acid	ic or basic?
	pH = 10.6, then pOH = <u>3.</u> 4-10.6 = 3.4	4 acid	ic or basic	?
11 - 111	pOH = 5.7, then pH = $\frac{8}{14}$	3 acidic	or basic?	