Mi. Genest Chemistry	no no no no no no no no Date	15K
1. What is the mathematical of PH= - \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	definition of pH (give the formula)?	sterd
The second second	ilways give 1x10 ⁻¹⁴ when multiplied together?	
3. If the concentration of [I Start by writing an appropriate formula Circle the unknown	H+] is 2.33x10 ⁻⁹ , calculate the concentration of [OH- Then rearrange to get the unknown alone. $ \begin{array}{c} $	values and solve.
4. If the concentration of [H- [H+][OH-]= • ×[0-14]	F] is 7.30×10^{-4} , calculate the concentration of [OH-] OH = 7.30×10^{-4}	1.37×10"
5. If the concentration of [H+]	PH = $-log [7.30 \times 10^{-4}]$	pH=3.13
6. If the concentration of [H-	PH = $log[2.33 \times 10^9]$	pH=8.63
7. If the concentration of [OI formula from #2 and #1) $[H^{\dagger}] = \frac{1.0 \times 10^{-14}}{2.33 \times 10^{9}}$	H-] is 2.33×10°, find the [H+] and then calculate the plane $[H^+] = H_0 29 \times 10^{-6}$	I (using your
ep (2)	H+7 pH=-log [4.2918×10]	63

Acids and Bases

