Cornell Notes	Topic/Objective: pH and pOH		Name:	
			Class/Period: Chemistry	
			Date:	
Essential Question: How can you identify the concentration of an acid or a base?				
Questions:		Notes:		
How can you				
determine if a				
solution is an acid				
or a base?				
lon Product		Equation:		
Constant for				
Water		K _w =		
		Using K_w to Calculate [H ⁺] and [OH ⁻]		
		At 298 K, the H ⁺ ion concentration of an aqueous solution is 1.0 x 10^{-5} M. What is the		
		OH^{-} ion concentration in the solution? Is the solution acidic, basic, or neutral?		
		P		
Calculating pl		Equation:		
[H*] Concentration				
		Using [H ⁺] to Calculate pH		
		What is the pH of a solution with an hydroniu	m ion [H ⁺] concentration of 3.0 x 10^{-6} M?	

Questions:	Notes:
	Notes.
Calculating pOH	Equation:
from [OH-]	
Concentration	
Relationship	Equation:
between pH and	
pOH	Using COH-1 to Calculate pOH and pH
	An ordinary household ammonia cleaner is an aqueous solution of ammonia gas with
	hydroxide ion concentration of 4.0 x 10^{-3} M. Calculate the pOH and pH of a typical cleaner
	a at 298 K.
Calculating ion	Equations:
concentrations	•
from pH and pOH	Calculating [H ⁺] and [OH ⁻] from pH
	What are [H ⁺] and [OH ⁻] in a healthy person's blood that has a pH of 7.40?
Summary:	
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