Name:	Date:	Period:	Seat #:
pH's are Logarithmic Solution A has a pH of 3. Solu How many times more acidic is			cidic?
ICE Box with a Twist A 0.10 <u>M</u> solution of HF has a	pH of 2.10. Calculate the K	La of HF.	
□ Strengths of Acids			
Strengths of Acids Consider: HClO ₂ , HBrO ₂ , HIO	2. Rank them from weakes	t to strongest.	
-	2. Rank them from weakes	t to strongest.	Strongest
Consider: HClO ₂ , HBrO ₂ , HIO ₂ Weakest			Strongest
Consider: HClO ₂ , HBrO ₂ , HIO Weakest Consider: HBrO, HBrO ₂ , HBrO			
Consider: HClO ₂ , HBrO ₂ , HIO ₂ Weakest			Strongest Strongest
Consider: HClO ₂ , HBrO ₂ , HIO Weakest Consider: HBrO, HBrO ₂ , HBrO	D ₃ . Rank them from weake	st to strongest.	

What is the $[SO_3^{2-}]$ in a 0.150 <u>M</u> solution of H₂SO₃?

Calculate the pH of a 0.150 M solution of H₂SO₃.