(#8-4) Chemistry pH of Strong Acids

1. 0.5M HBr.

a. Write the hydrolysis reaction and create and ISE table

b. What is the concentration of H_3O^+ ions at the end?

c. What is the pH of the solution? -log(.5) + 6.3 M

2. ().01M HCl

a. Write the hydrolysis reaction and create and ISE table

- b. What is the concentration of H_3O^+ ions at the end? $\cdot O$ (
- c. What is the pH of the solution?

3. .001M HX (strong acid)

a. Write the hydrolysis reaction and create and ISE table

$$HX + HLO \rightarrow H_3O^{\dagger} + X^{-}$$

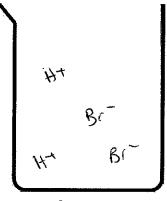
 $T.001 - 0 0$
 $S.001 - 4.001 -001$
 $EO - .001 -001$

b. What is the concentration of H_3O^+ ions at the end?

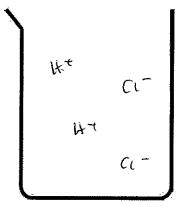
c. What is the pH of the solution?

3

d. What is the concentration of X-



After



After

