

Name: _____

Date: _____

Strong Acids and Bases

1. Calculate the pH of a solution with $[H^+] = 5 \times 10^{-5} \text{ M}$.

2. Calculate the pH of a solution with $[H^+] = 1 \text{ M}$.

3. Calculate the pH of a 0.01 M solution of HCl.

4. Calculate the pH of a 0.05 M solution of NaOH.

5. Calculate the pH of a $7.5 \times 10^{-6} \text{ M}$ solution of $Mg(OH)_2$.

6. Find $[H^+]$ of a solution with $\text{pH} = 3$.

