

Name _____ Block: _____ Date: _____

Chemistry 12

K_w CALCULATIONS

1. Find the $[\text{H}_3\text{O}^+]$ in 0.00256 M HBr.

2. Find the $[\text{H}_3\text{O}^+]$ in 0.80 M LiOH.

3. Find the $[\text{H}_3\text{O}^+]$ in 0.45 M BaO.

4. Find the $[\text{OH}^-]$ in 0.150 M HClO₄.

5. Find the $[\text{OH}^-]$ in 0.87 M HNO_3 .

6. What is the $[\text{H}_3\text{O}^+]$ and $[\text{OH}^-]$ in 0.0010 M $\text{HCl}(\text{aq})$?

7. What is the $[\text{H}_3\text{O}^+]$ of a 0.01 M NaOH at 25°C ?

8. Find $[\text{H}_3\text{O}^+]$ at 25°C of 2.0 M $\text{Sr}(\text{OH})_2$?