1. **Describe four characteristics of an Base:**

|  |  |
| --- | --- |
| 1 |  |
| 2 |  |
| 3 |  |
| 4 |  |

1. **Predict the products of NaOH plus HCl?**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**



**A) How do you describe a Brownsted- Lowery Acid?**

**B) Circle the Brownsted- Lowery Acid in the following reaction:**

**NaOH + HCl -> NaCl + H2O**

1. **What is the pOH if the pH is 3? \_\_\_\_\_\_\_\_\_**
2. **If the [OH-] concentration is 1 x 10-2 , what is the pH? \_\_\_\_\_\_\_\_\_**
3. **If the [H+] concentration is 3.5 x 10-6, what is the pH? \_\_\_\_\_\_\_**
4. **What is the [OH-] concentration if the pOH is 9.1? \_\_\_\_\_\_\_\_\_\_\_**
5. **What is the [H+] concentration if the [OH-] concentration is 0.00001? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**