Acid and Base Practice Test Part Two Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Complete the following table:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Salt** | **Parent Acid** | **Acid Strength** | **Parent Base** | **Base Strength** | **Type of Salt** |
| Na2SO4 |  |  |  |  |  |
| Pb(ClO3)2 |  |  |  |  |  |
| CuS |  |  |  |  |  |

Complete the following chart.

|  |  |
| --- | --- |
| **[H+]** | **[OH]** |
| 1 x 10-4 |  |
|  | 7.6 x 10-2 |
| 7.9 x 10-7 |  |
|  | 3.2 x 10-4 |

***State whether each chemical is an acid, a base, or a salt. If it is an acid or a base, state whether it is strong or weak:***

1. NH3 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. FeCl3 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. H2SO4 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. Ba(OH)2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Complete the following.

|  |  |  |
| --- | --- | --- |
| **[H+]** | **pH** | **pOH** |
|  | 9 |  |
| 3.2 x 10-1 |  |  |
|  |  | 9.7 |
|  | 4 |  |
|  |  | 2.3 |