# Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block: \_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_

# Chemistry: *pH and pOH calculations*

*Fill in the missing information in the table below.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **pH** | **[ H3O1+ ]** | **pOH** | **[ OH1– ]** | **ACID or BASE?** |
| **3.78** |  |  |  |  |
|  | **3.89 x 10–4 M** |  |  |  |
|  |  | **5.19** |  |  |
|  |  |  | **4.88 x 10–6 M** |  |
| **8.46** |  |  |  |  |
|  | **8.45 x 10–13 M** |  |  |  |
|  |  | **2.14** |  |  |
|  |  |  | **2.31 x 10–11 M** |  |
| **10.91** |  |  |  |  |
|  | **7.49 x 10–6 M** |  |  |  |
|  |  | **9.94** |  |  |
|  |  |  | **2.57 x 10–8 M** |  |
| **4.16** |  |  |  |  |
|  | **1.06 x 10–1 M** |  |  |  |
|  |  | **3.82** |  |  |
|  |  |  | **8.53 x 10–7 M** |  |
| **7.05** |  |  |  |  |
|  | **4.73 x 10–10 M** |  |  |  |
|  |  | **1.33** |  |  |
|  |  |  | **9.87 x 10–3 M** |  |
| **11.68** |  |  |  |  |
|  | **9.22 x 10–8 M** |  |  |  |
|  |  | **12.24** |  |  |
|  |  |  | **5.39 x 10–12 M** |  |