**Salt lab**

**Problems:**

1. **How can you classify 6 solutions as an acid, base or salt?**
2. **How can you determine which of the 6 solutions will change the pH of a given base the most?**

**Material:**

**6 solutions (5ml), UI, NaOH (10 ml), beakers.**

**Data:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Solution** | **Acid, Base or Salt?** | **pH** | **pH after 20 ml NaOH** |
| **1.)** |  |  |  |
| **2.)** |  |  |  |
| **3.)** |  |  |  |
| **4.)** |  |  |  |
| **5.)** |  |  |  |
| **6.)** |  |  |  |

**Conclusion. Answer the following:**

1. **What is a salt?**
2. **What is an acid? What ion is in them?**
3. **What is a base? What ion is in them?**
4. **When are salts basic? When are they acidic? When are they neutral?**