**Acids, Bases and the pH Value**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | c(H3O+) | pH value |
|  | water |  |  |
|  | diluted mineral water |  |  |
|  | mineral water |  |  |
|  | diluted lemon juice |  |  |
|  | lemon juice |  |  |

**pH =**

**Definition:**

**Exercise: the advantage of the logarithm**

Task: choose a reasonable scale and draw a bar chart to indicate the acidity of the above solutions. Use a linear scale on the left then try a better suited one on the right.

c(H3O+)