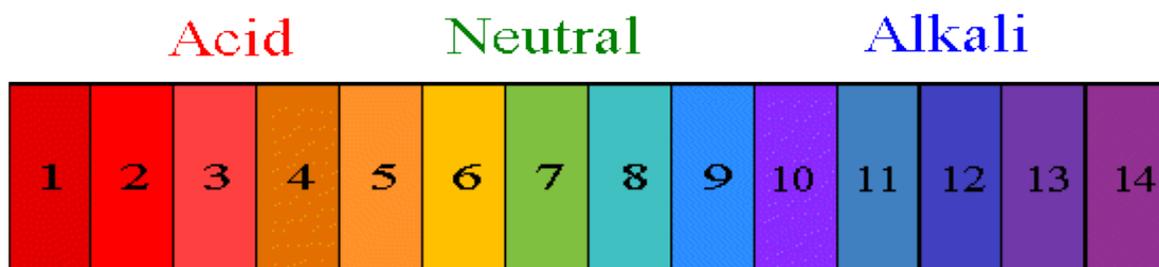


pH of 9,5 is really appropriate to alkali solution.



As you can see pH of 7 is neutral, but Dr.Sanchez have alkali water in her frog pond. Alkali means that there are some extra OH⁻ ions in water, and only one way to neutralize these ions is adding some H⁺ ions and it is adding of acid. Why?

When solution is neutral it means that concentration of H⁺ and OH⁻ is in equilibrium, as we said alkali means that there are some extra OH⁻ ions. The reaction of neutralization is:



So any acidic compound is acceptable for decreasing pH if only it is not poison for frogs of course.