

The everyday pH scale

To review what pH means in practice, we consider the pH of everyday substances that we know from experience.

Remember that $[H^+] = 10^{-pH}$.

$$pH + pOH = 14$$

Therefore that $[OH^-] = 10^{pH-14}$.

pH	Examples of solutions
0	Battery acid, strong hydrofluoric acid
1	Hydrochloric acid secreted by stomach lining
2	Lemon juice, gastric acid, vinegar
3	Grapefruit juice, orange juice, soda
4	Tomato juice, acid rain
5	Soft drinking water, black coffee
6	Urine, saliva
7	"Pure" water
8	Sea water
9	Baking soda
10	Great Salt Lake, milk of magnesia
11	Ammonia solution
12	Soapy water
13	Bleach, oven cleaner
14	Liquid drain cleaner