

ACTIVITY 4B

pH OF COMMON FOODS—TEACHER ANSWER KEY

The pH scale ranges from 0 to 14. The lower the pH, the greater the hydrogen ion concentration, and, therefore, the greater the acidity of a solution. The higher the pH, the lower the hydrogen ion concentration, which indicates an alkaline, or basic solution. A pH of 7 is midway between 0 and 14 and represents neutrality. The solution is neither acidic nor basic, but neutral.

pH CHART

TEST TUBE	SOLUTION	pH	ACID, BASE, OR NEUTRAL
1	tap water	5-7	acid/neutral
2	deionized water	7	neutral
3	white vinegar	3	acid
4	sodium bicarbonate	8	base
5	lemon juice	3	acid
6	lemon-lime soda	4	acid
7	cranberry-apple juice	3	acid
8	milk	6.5	acid
9	powdered orange drink	3	acid
10	clear carbonated drink	4	acid
11	honey dissolved in tap water	4	acid
12	mixture of test tubes 3 and 4	4.5	acid