

# Ph Encyclopedia Article

## Ph

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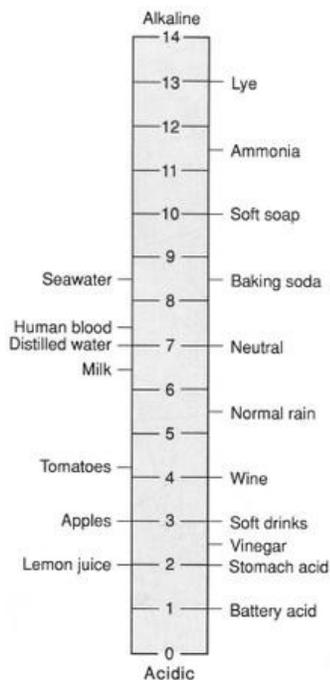


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# Ph

A measure of the acidity or alkalinity of a solution based on its **hydrogen ion** ( $H^+$ ) concentration. The pH of a solution is the negative logarithm (base 10) of its  $H^+$  concentration. Since the scale is logarithmic, there is a tenfold difference in hydrogen ion concentration for each pH unit. The pH scale ranges from 0 to 14 with 7 indicating neutrality ( $(H^+) = (OH^-)$ ). Values above 7 indicate progressively greater alkalinity, while values below 7 indicate progressively increasing acidity.



pH scale. (McGraw-Hill Inc. Reproduced by permission.)

## See Also

Acid and Base; Buffer