

PH IN CHEMISTRY:

Logarithms are used in many real-world applications, for example in decibels in acoustics, different seismic scales for earthquake magnitudes, octaves in music and pH in chemistry.

- In chemistry, the pH is calculated using $pH = -\log [H^+]$

10.1 WORKED EXAMPLE

If $[H^+]$ is 0.5, what is the pH to 3dp?

10.2 WORKED EXAMPLE

Determine the pH of a solution that has a H^+ concentration of 7.45×10^{-3} .

