## Answer on Question #50121 - Chemistry – Physical Chemistry

## Question

find out the ph of pure water

## Answer:

 $pH = -log_{10}[H^+]$ 

For pure water  $[H^+] = [OH^-] = 1 \times 10^{-7}$ .

So, the pH of pure water is:

 $pH = -log_{10}[1x10^{-7}] = 7$ 

**Answer**: pH = 7

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