

No matter how concentrated
the base there will alwaphave some
Ht ions present
No matter how concentrated the
acid there will always have some
OHT ions present

Oct 16-8:56 AM Oct 16-9:30 AM

The pH Scale

The neasures the Ht concentration in the solution

Pure water

H20(e) > H(ag) + OH (ag)

Concentration of Ht is ...

I x /0 tunits/litre pH= 7

If the solution was acidic the H+ ions was increased ex 1x10 is bigger than 1x10-2 0.0000001

PH 5 x100 = PH 7

Oct 16-9:33 AM Oct 16-9:41 AM

If the solution is a base the concentration of H+ decreases

ex. /x/0 is smaller /x/07

0.0000000001 \$ 0.0000001

pH 10 >x1000 pH 7

Every step in the pH

Scale is a 10x increase/decrease
in acidity of a solution

ex. Normal rain pH = 6

acid rain pH = 5

acid rain is 10x more acidic
than normal rain

Oct 16-9:47 AM Oct 16-9:52 AM

Oct 16-9:58 AM Oct 16-10:10 AM