

pH Color Key

Part 2 - Select "My Solution"

Set solution to a strong acid. Put the pH meter in the solution. Move the



Acid Base
Initial Concentration (mol/L):

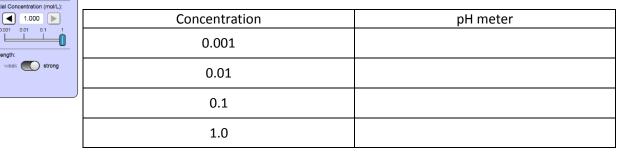
1.000 | 0.001 | 0.01 | 0.1 |

Strength:

slider to each concentration in the table. Record the pH in the table.

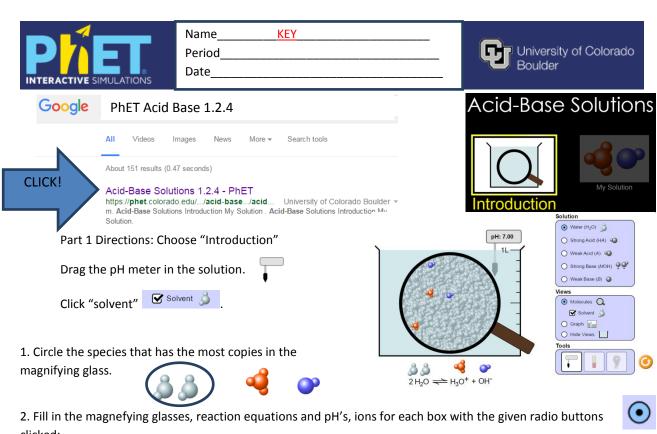
Concentration	pH meter
0.001	
0.01	
0.1	
1.0	

Set solution to a strong base. Put the pH meter in the solution. Move the slider to each concentration in the table. Record the pH in the table.

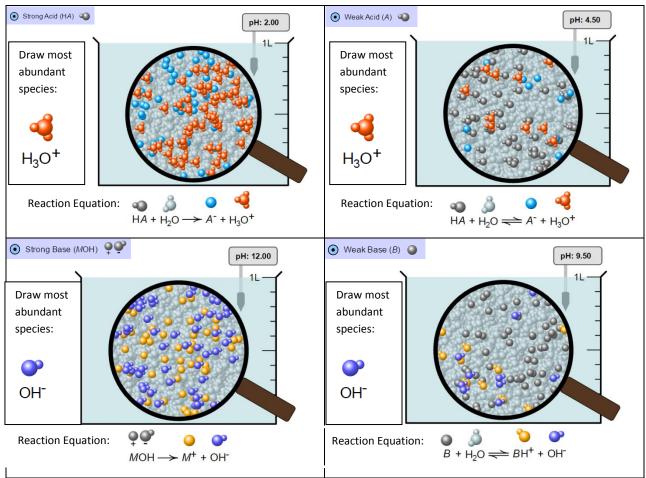


Describe in one or two sentences what happens to the pH meter readings as concentration changes tenfold (like in the left-hand columns, above):

en.html AA31 Labs



clicked:



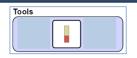


lame	
eriod	
Pate	



Select the litmus paper tool:

Put: water, strong acid,



What is the color key for litmus? (fill in last 2 boxes)

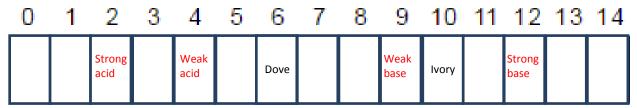
pap pH Color Key

Orange to yellow

Yellow to blue green olue-green to deep blue

weak acid, strong base and weak base in the appropriate boxes, below: For example, Dove soap

is a weak acid (pH6) and Ivory soap is a weak base (pH10).



pH Color Key

Part 2 - Select "My Solution"

Set solution to a strong acid. Put the pH meter in the solution. Move the



Acid Sase
Initial Concentration (mol/L):

1.000
001 001 0.1 1

Strength:

weak strong

slider to each concentration in the table. Record the pH in the table.

Concentration	pH meter
0.001	3
0.01	2
0.1	1
1.0	0

Set solution to a strong base. Put the pH meter in the solution. Move the slider to each concentration in the table. Record the pH in the table.

Initial Concentration (mol/L):		
0.001 0.01 0.1 1		
Strength:		
_		
weak strong		

Concentration	pH meter
0.001	11
0.01	12
0.1	13
1.0	14

Describe in one or two sentences what happens to the pH meter readings as concentration changes tenfold:

The value changes by 1.

AA31 Labs