

This lab is intended to expose you to the basics of pH testing. You will also have to perform some calculations associated with pH.

Test each of the indicators with each of the various pH solutions by taking two drops of the indicator and mixing it with 2 drops of the pH solution to get a color scheme for each indicator. After this is completed, obtain two unknowns from the Ms. Neiman and identify the pH of the two unknown solutions by testing them with the available indicators and report the pH (or range of pH) for each of the unknown solutions. BE SURE TO RECORD THE LETTER OF THE UNKNOWN!

Solution →	pH 1	pH 4	pH 7	pH 10	pH 13	Unknown	Unknown
Indicator ↓							
Bromthymol Blue							
Phenolphthalein							
Methyl Orange							

What is the $[H^+]$ and $[OH^-]$ for each solution you tested? Also tell for each solution if it is acidic, basic or neutral

Solution →	pH 1	pH 4	pH 7	pH 10	pH 13	Unknown	Unknown
$[H^+]$ ↓							
$[OH^-]$							
Acidic / Basic / Neutral							

Each person in the lab group must turn the worksheet by _____.
No typed lab report is due. It is still worth 25 points!!