

## Indicator Colour Activity - SNC 2P

1. Draw a full page table that is six columns wide and 9 rows high.
2. Place a large "X" through the top right box.
3. Add the following to the remaining boxes across the top.  
pH = 1, pH = 4, pH = 7, pH = 10, pH = 13
4. Add the following to the beginning of each row under the "X"  
methyl orange  
litmus  
bromothymol blue  
phenolphthalein  
alizarin yellow  
indigo carmine  
universal indicator  
red cabbage juice
5. Have your teacher check the table you have made.
6. WEAR GOGGLES - WASH YOUR HANDS WHEN YOU FINISH
7. Duplicate your table using four spot plates  
In the first column add four drops HCl  
In the second column add four drops pH 4  
Repeat for pH 7, pH 10 and NaOH
8. Now find an indicator and add no more than four drops to the correct row. RECORD YOUR COLOUR IN YOUR TABLE. Use words or pencil crayons.
9. Return all materials to the correct tray. Rise the contents of your spot plates down the drain and thoroughly rinse your spot plates. Return the spot plates when you are finished.
10. WASH YOUR HANDS! HAND IN YOUR TABLE (REMEMBER YOUR NAME!)