A chemistry laboratory setup featuring several pieces of glassware. On the left, there are three Erlenmeyer flasks containing liquids of different colors: blue, purple, and yellow. In the center, a graduated cylinder is being used to transfer a red liquid into a beaker. To the right, there are two more beakers, one containing a yellow liquid and the other a green liquid. A glass rod is placed across the beakers. In the bottom left corner, there are two small, dark, oval-shaped objects, possibly pills or capsules. The background is a gradient of blue and purple, and the entire scene is reflected on a glossy surface.

**CHEMISTRY LAB**  
**pH Measurement**

# Material required

- pH indicator
- Becker
- Some tubes
- Water
- Vinegar
- HCl
- NaOH
- Ammonia
- Lemon
- Water with bicar





We make the substances and the indicator.

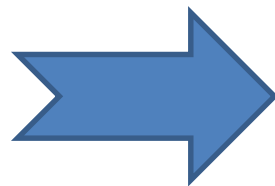
Vinegar  
HCl  
Lemon



Indicator  
becomes  
red



pH < 7



These are  
acid  
substances





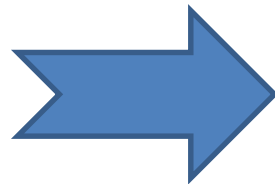
Ammonia  
NaOH  
Water with  
Bicarbonate



Indicator  
becomes  
*blue*



pH > 7



These are  
*basic*  
substances



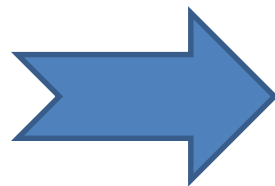
Water



Indicator  
doesn't  
change color



pH = 7



This is a  
*neutral*  
substance





The indicator changes colour in each tests!