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• Experiment name: Determination of pH

• Aim: To find the pH of the following samples by using pH paper/universal indicator.

• Apparatus required: samples, universal indicator, Indicator strip and Dropper.

• Procedure:

1. The dropper is clicked and dragged from the stand and moved into the solution in the beaker to collect the solution in the dropper.
2. The solution is dropped in the sample. The colour change is noted. The colour is compared to the colour of the pH sample.
3. The colour that matches with the spot on the pH strip indicates the pH value of the solution.
4. The colour that matches with the solution in the beaker indicates the pH value of the solution.

• Result:

The pH of the given samples are found as shown in the table.

Teacher's Signature \_\_\_\_\_

Observation:

S.No	Sample	Colour change	pH
1.	Mango Juice	Light Orange	6
2.	Orange Juice	Pink	3
3.	Common Salt	Green	7
4.	Butter Milk	Yellow	5
5.	0.1M HCl	Red	1
6.	0.001M NaOH	Dark Sky Blue	11