

PROJECT WORK-4
ACIDS, BASES AND SALTS

Some items to be given as project work for class-10 students.

They can do any one of the following. The report should be in at least two A4 pages.

1. Prepare your own turmeric indicator paper strips and beet root indicator strips. Also prepare your own blue litmus papers with the liquid extraction of Hibiscus flowers.

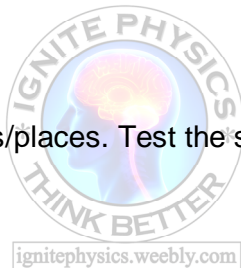
Test with the following substances.

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|---------------------------|----------------------|--------------------------|------------------|
| (a) lemon juice | (b) tomato juice | (c) lime water | (d) soap water |
| (e) surf water | (f) apple juice | (g) tea | (h) coffee |
| (i) sapota juice | (j) pine apple juice | (k) baking soda solution | (l) coconut oil |
| (m) cool drink | (n) tamarind juice | (o) orange juice | (p) butter milk |
| (q) milk | (r) curd | (s) saliva | (t) banana juice |
| (u) distilled water | (v) tap water | (w) urine of buffalo | (x) vinegar |
| (y) washing soda solution | (z) soda | | |

What do you observe?

2. Collect soil from three different areas/places. Test the soil for P^H . What do you observe?

What are the qualities of soil?



3. Collect the information about digestive system. Which type of food materials can we eat?

What are the precautions to be taken for better health? What should we do for not getting acidity problems/ gastric trouble?

4. Is all vegetables are acids? To find this investigate with P^H paper and tabulate the values and write a report on it.

5. Collect information about importance of the P^H value in daily life to human beings as well as plants.