

CHEMISTRY PROJECTS FOR CLASS 12

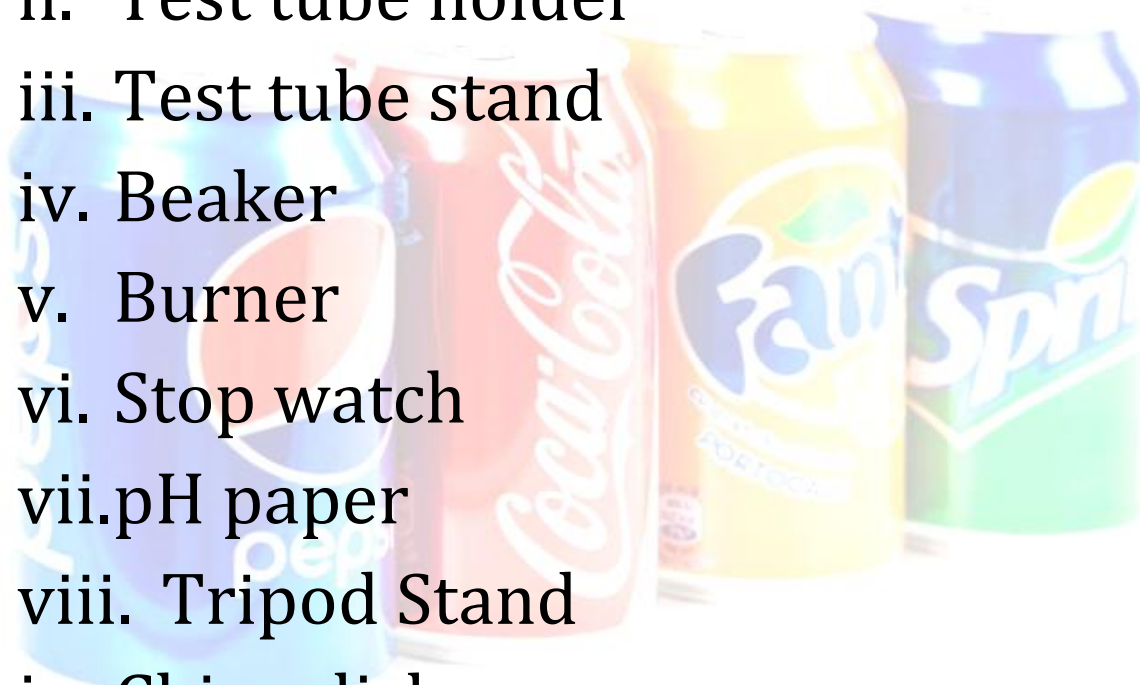
(DETERMINATION OF THE CONTENTS OF Soft Drink)-5TH PART

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DATE:- 23/02/2021

APPARATUS

- i. Test tube
- ii. Test tube holder
- iii. Test tube stand
- iv. Beaker
- v. Burner
- vi. Stop watch
- vii. pH paper
- viii. Tripod Stand
- ix. China dish
- x. Wire gauge
- xi. Water bat



CHEMICALS REQUIRED

- i. Iodine solution
- ii. Potassium iodide
- iii. Sodium Hydroxide
- iv. Benedict's reagent
- v. Conc. HND
- vi. Ammonium Molybdate
- vii. Lime water



DETECTION OF pH VALUE

Experiment:

Small samples of cold drinks of different brands were taken in a test tube and put on the pH

Paper was noticed and was composed with the standard pH

Observation:



SL No.	Name of drink	Color change	pH Value
1	Coca Cola	Pink	2.5-3
2	Sprite	Red	3
3	Limca	Pinkish	4
4	Fanta	Light Orange	3-4

Inference:

Soft drinks are generally acidic because of CITRIC ACID and PHOSPHORIC ACID pH Value of different cold drink brands is different due to variation in amount of acidic contents
