

Confidential

In addition to the fittings and apparatus found in a Chemistry Laboratory each student will require the following.

1. 1.5g of solid T
2. 250cm<sup>3</sup> of solution B
3. 150cm<sup>3</sup> of solution R
4. 3 conical flasks
5. 100cm<sup>3</sup> measuring cylinder
6. Distilled water in a wash bottle
7. Burette
8. Pipette
9. Filter funnel
10. Filter paper
11. Spatula
12. 25cm<sup>3</sup> measuring cylinder
13. Solid S
14. 5 test tubes in a rack
15. 1 boiling tube
16. Test tube holder
17. Universal indicator paper
18. pH chart
19. Liquid A
20. Ethanol
21. Red and blue litmus paper

**Access to**

1. Phenolphthalein indicator
2. Means of heating
3. Universal indicator solution
4. Ammonia solution
5. Potassium Iodide solution
6. Barium nitrate solution
7. Aqueous nitric (V) acid
8. Acidified potassium manganate (VII) solution
9. Bromine water
10. Acidified potassium dichromate (VI) solution

**NOTES**

1. Solid T is Benzoic acid
2. Solution B is 0.02M NaOH
3. Solution R is 0.01M H<sub>2</sub>SO<sub>4</sub>
4. Solid S is hydrated Aluminium sulphate  $Al_2(SO_4)_3 \cdot 6H_2O$ .
5. Liquid A is distilled water.