

CHEMISTRY CONFIDENTIAL

Each candidate will require:

1. 80cm^3 of solution **B**.
2. 100cm^3 of solution **C**
3. 80cm^3 of solution **Q**
4. 80cm^3 of solution **P**
5. 15cm^3 of solution **K** in a boiling tube
6. Solid **S** (1g)
7. Burette
8. 25ml pipette
9. 2 conical flasks
10. A stop watch
11. 250ml plastic beaker
12. Thermometer (-10 /- 110°C)
13. 2 labels
14. Retort stand
15. Filter paper
16. Filter funnel
17. 50ml measuring cylinder
18. 6 test tubes in a rack
19. 500cm^3 distilled water

Access to:

1. Methyl orange indicator with a dropper
2. 2M sodium hydroxide with a dropper
3. 0.25M Barium chloride solution with a dropper.
4. 0.1M Lead (ii) nitrate solution with a dropper.
5. Bromine water with a dropper.
6. Acidified potassium dichromate (vi) with a dropper
7. 2M hydrochloride acid.

NOTES:

1. Solution **B**, measures 43cm^3 of concentrated of hydrochloric acid, dissolve in 400cm^3 of distilled water and top to 1dm^3
2. Solution **C**, measure 10g of sodium hydroxide pellets, dissolve in 400cm^3 of distilled water and top to 1dm^3 .
3. Solution **P** measure 80g of sodium hydroxide pellets, dissolve in 600cm^3 of distilled water and top to 1dm^3 .
4. Solution **K**, measure 172cm^3 of concentrated hydrochloric acid, dissolve in 600cm^3 of distilled water and top to 1dm^3
5. Solution **K**, measure 50g of potassium iodide, dissolve in 600cm^3 of distilled water and top to 1dm^3
6. Solid **W** is sodium sulphate (Na_2SO_3)
7. Solid **S** is Zinc powder.
8. Acidified potassium dichromate, measure 5.88g, dissolve in 400 2m sulphuric acid, top to 1dm^3 with distilled water.