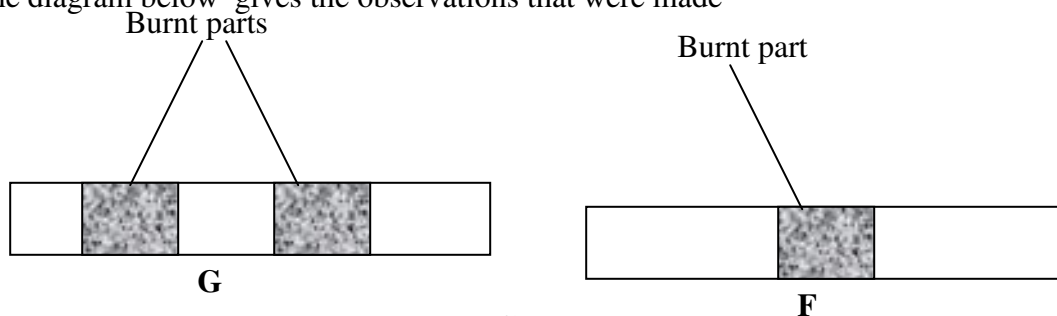


F1 CHEMISTRY ASSIGNMENT

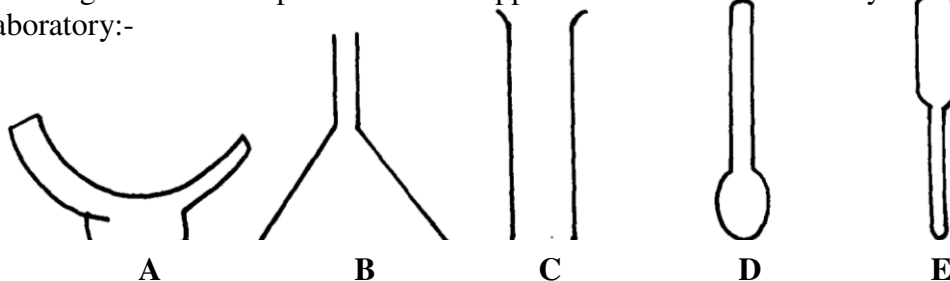
MAY 2020

Introduction to chemistry

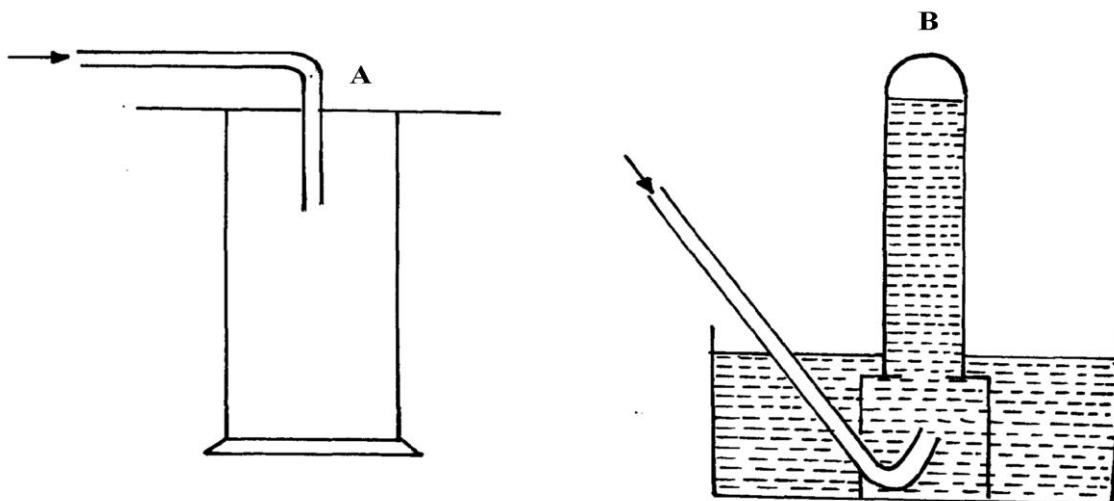
1. Wooden splints **F** and **G** were placed in different zones of a Bunsen burner flame. The diagram below gives the observations that were made



- (a) Explain the difference between **F** and **G**
(b) Name the type of flame that was used in the above experiment
2. The diagrams below represent a list of apparatus which are commonly used in a chemistry laboratory:-

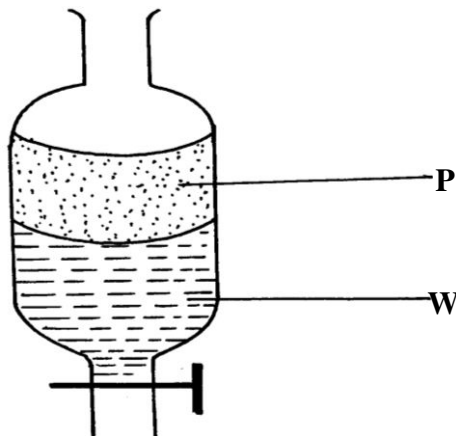


- (a) Give the correct order of the apparatus, using the **letters only**, to show the correct arrangement that can be used to prepare and investigate the nature of PH of a sample of onion solution
(b) Name **one** chemical substance and apparatus that is needed in this experiment
3. (a) When the air-hole is fully opened, the bunsen burner produces a non-luminous flame. Explain
(b) Draw a labelled diagram of anon-luminous flame
4. (a) What is a drug?
(b) Give **two** drugs that are commonly abused by the youth.
5. The diagram below shows three methods for collecting gases in the laboratory



- (a) Name the methods **A** and **B**
 (b) From the methods above, identify **one** that is suitable for collecting sulphur (IV) oxide.
 Explain

6. A mixture of hexane and water was shaken and left to separate as shown in the diagram below:



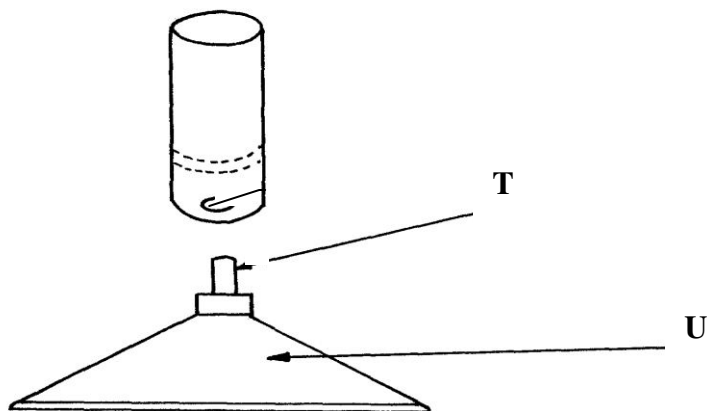
State the identity of;

- (i) **P** (ii) **W**

7. The diagrams below are some common laboratory apparatus. Name each apparatus and state its use

Diagram	Name	Use
	(½mk)	(½mk)
	(½mk)	(½mk)

8. The diagram below shows some parts of a Bunsen burner



Explain how the parts labelled **T** and **U** are suited to their functions

