

1.) What is plumbing?

Plumbing can be defined as any system that conveys fluid for a wide range of application.

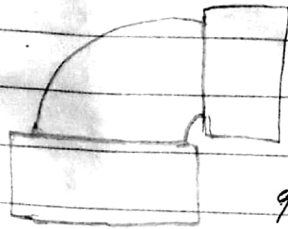
2.) List, explain and draw 3 uses of each of the following

a.) Fittings

b.) Materials

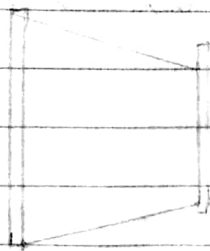
c.) Tools

a.) Elbow Pipe Fittings:- These are used to change the direction of flow between two pipes. They usually come in 22.5° , 45° and 90° .



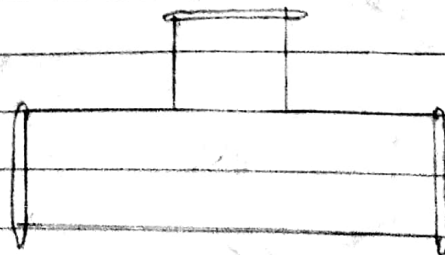
90° elbow

II) Reducer Pipe Fittings:- These are components which reduce the flow from larger to smaller by reducing the size of the pipe. There are two types of reducers; concentric reducer and eccentric reducer.



Concentric reducer

III) Tee-type pipe Fitting:- This is a "T-shape" component that has one inlet and two outlets. It can also be used to combine the flow of two inlets to one outlet.

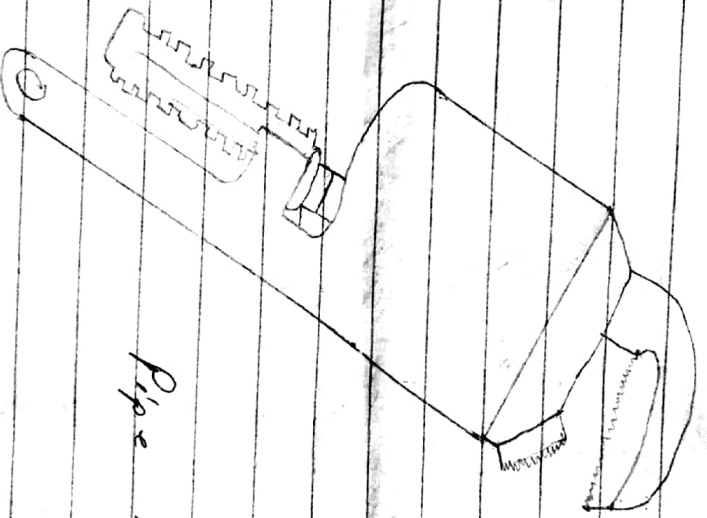


Tee-shape pipe

(ii) Polyvinyl Chloride: Polyvinyl Chloride or PVC as it is known is used to repair damaged pipes.

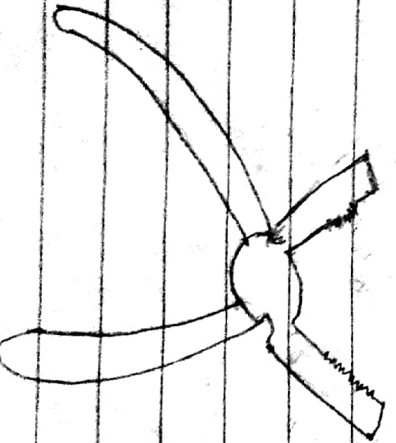
(iii) Galvanised pipe: This is used as a stack in working or chimneys.

(iv) Pipe wrench: They are used to tighten and loosen nuts and fittings on pipes. Two of these are often used together, one for holding the pipe, the other for tightening or loosening.



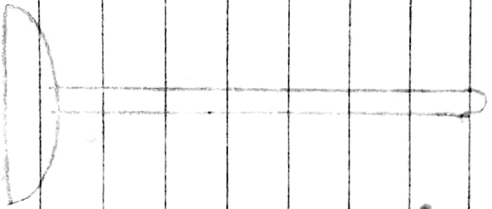
Pipe wrench.

(v) Pliers: They are used to hold materials in place. They are like scissors but sturdier and used to hold.



Pliers

Plunger: This is used to stop the flow of water
or dry liquid through a siphon. It does it by creating
a vacuum.



Plunger