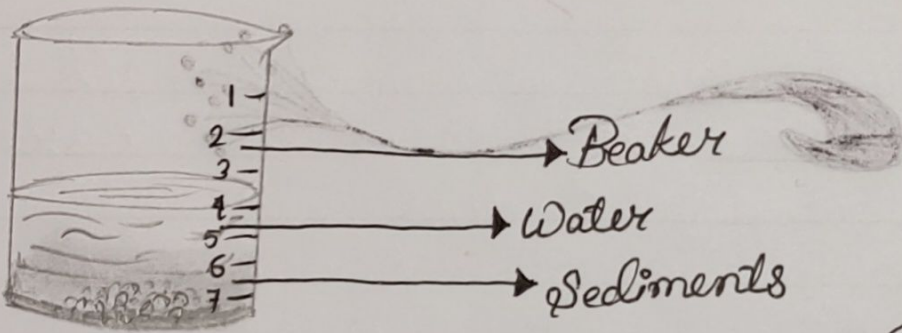
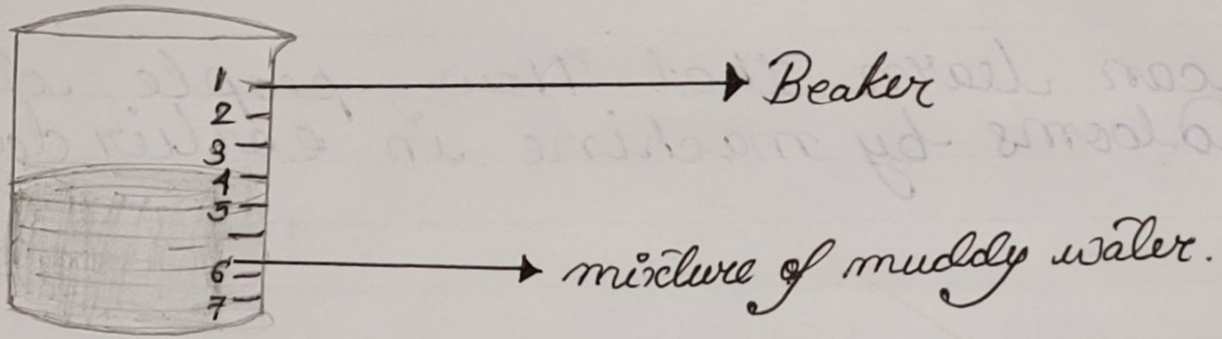
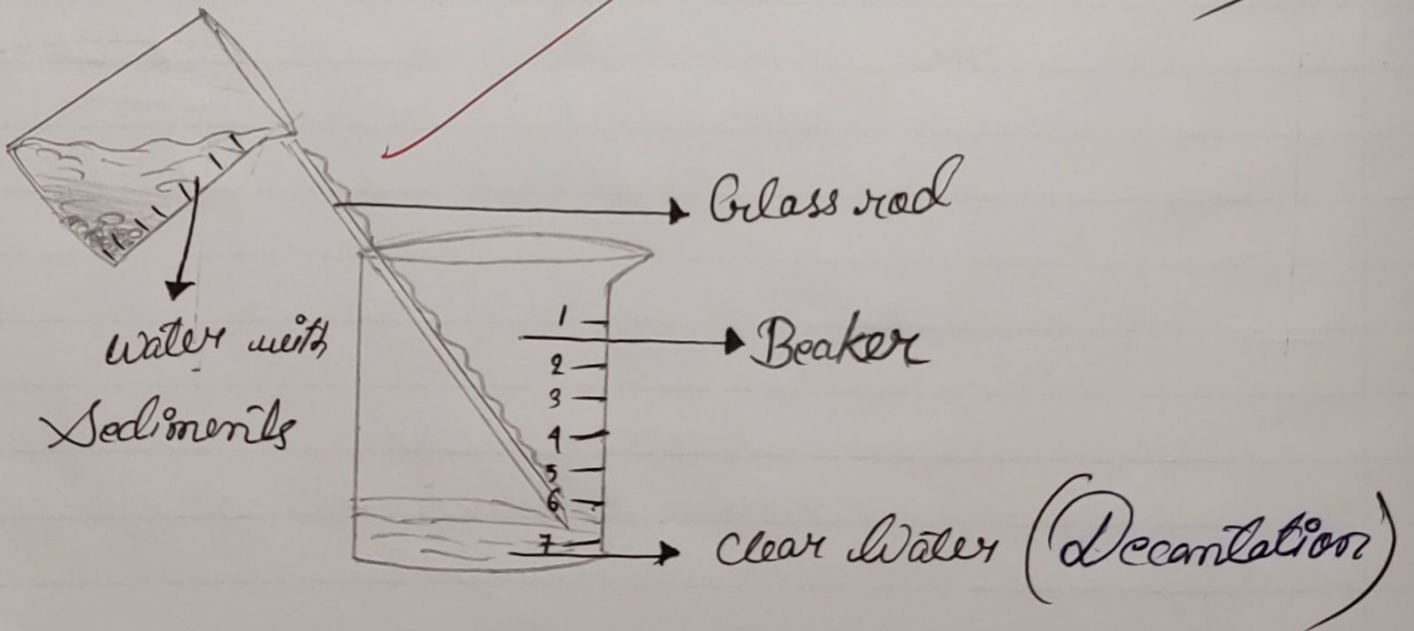


Conclusion:



(Sedimentation)



## Activity-1

Topic :- To separate mud from water by sedimentation and Decantation.

### MATERIALS REQUIRED :-

- Two beaker.
- Water.
- mud.
- Glass Rod.

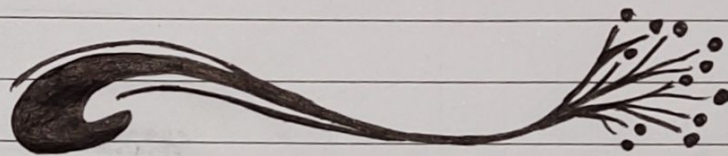
### METHOD :-

Take a mixture of mud and water in a beaker allow the mixture to stand undisturbed for sometimes. After sometimes we will see the sand particles settle at the bottom of mud water this is called the sediments. And the process is called sedimentation.

Pour the clear water into another beaker gently with the help of glass rod, without disturbing the sediments of mud. This is called Decantation.

## CONCLUSION :-

In this way we can separate the mixture of muddy water and obtained the clean water. First by Sedimentation and by Decantation.



- Topic :- To separate mud and water by filtration.

## • MATERIALS REQUIRED :-

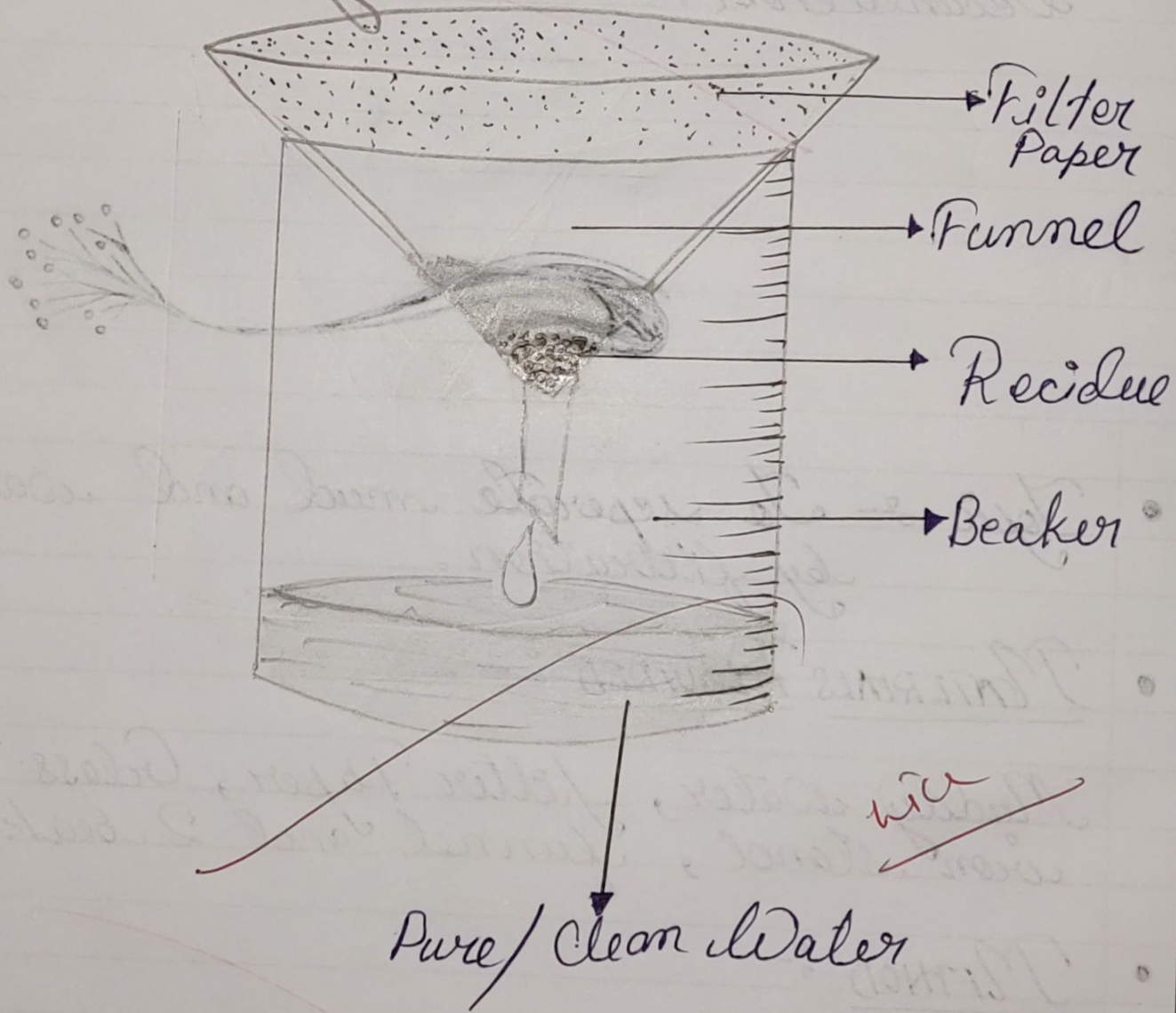
Muddy water, filter Paper, Glass Rod, iron stand, funnel and 2 beakers.

## • METHOD :-

Take some muddy water in a beaker.  
Now Take a circular piece of filter paper



CONCLUSION :-



(FILTRATION)

and fold it twice open it out to make a cone. Place the filter paper cone in a funnel. Keep an empty beaker below the funnel. Pour the muddy water slowly into the cone using a glass rod. The water passes through the filter paper and collects in a beaker kept below the funnel. The clear liquid is obtained in the beaker is called filtration.

Take out the filter paper cone and open it out. Mud particles can be seen on the filter paper. This is called residue.

Conclusion :-

Mud and water can be separated from a mixture by the process is filtration.

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