



# SCIENCE FUNFAIR

Water has many uses,  
let us make  
A Water Microscope.

*We shall magnify small things  
by looking at the through  
A Water Microscope.*

Material:

A round glass bottle (about 10 inches tall)

Water

Newspaper

A flower petal

Start Science- Fun Experiment :



Fill the glass bottle to the brim.  
Take care to ensure that no air remains in the bottle.  
Then close the cork tightly.  
We have our water microscope!!  
Now keep the bottle horizontally over a newspaper.

Isn't it fun?

Small letters seems very big.  
Similarly, keep the microscope over a petal.  
What do you see...?

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## The Science-Fun behind it....

When a bottle is filled to the brim with water and then closed tightly with a cork, what we get is a small microscope.

A lens which bulges at the centre and tapers towards the sides is known as a convex lens.

This type of lens bends the ray of light travelling in a straight line.

It brings together all rays of light.

But the ray of light travelling through the centre of the lens does not bend.

It travels through in a straight line.



Any object seen through a convex lens is magnified.

Here a drop of water acts like a convex lens.

So if we hold a round bottle filled with water in front of our eyes, everything seen through it is magnified.

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- Science-Fun Findings :

Use a water microscope to carefully look at the fine lines on your fingers and get to know them.

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