

PLASTIC BALL (14-CM DIAMETER)



CONVEX LENS FOCAL LENGTH 10-CM



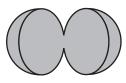
10-CM LONG PVC PIPE (5-CM DIA)



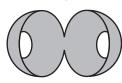
TRACING PAPER CIRCLE



1 CUT PLASTIC BALL AS SHOWN-



MAKE TWO OPPOSITE HOLES OF 5-CM DIAMETER.



STICK A CONVEX LENS ON RIGHT HOLE FROM INSIDE.

@ GLUE TRACING PAPER ON ONE END OF PVC PIPE FOR RETINA.



6 INSERT PVC PIPE IN THE LEFT HOLE WITH TRACING

6 CLOSE THE BALL AND SEAL ITS JOINT WITH TAPE.



MOVE PIPE IN-OUT TO ADJUST THE DISTANCE BETWEEN LENS AND TRACING PAPER - SOON YOU WILL SEE A CLEAR IMAGE ON TRACING PAPER.



ON VIEWING THROUGH
THE PVC PIPE AN
THE PVC PIPE WILL
INVERTED IMAGE WILL
APPEAR ON THE TRACING
APPEAR RETINA.
PAPER RETINA.