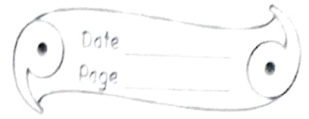


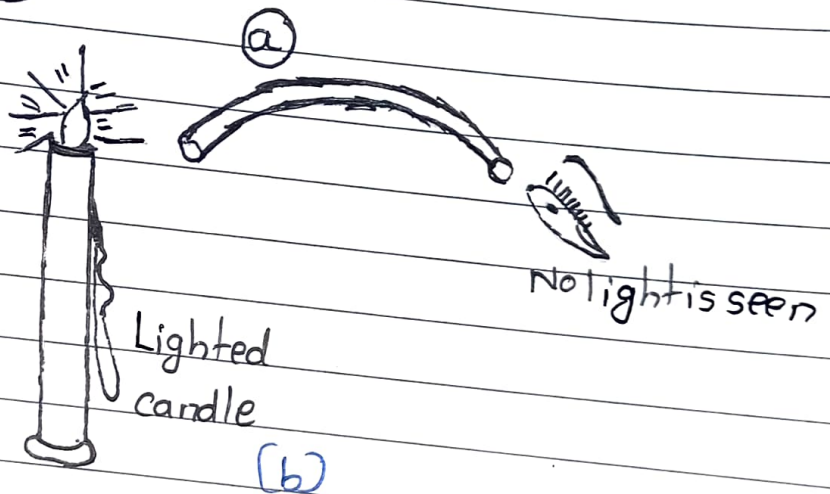
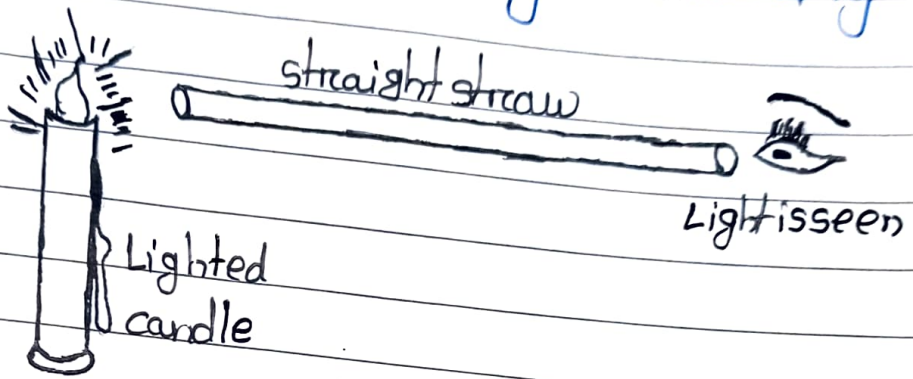
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Light



Activity 2

Place a lighted candle on a table. Take a drinking straw. Close one eye and look at the candle flame through the straw from the other eye. The flame is clearly visible. [Fig. 5.1A]

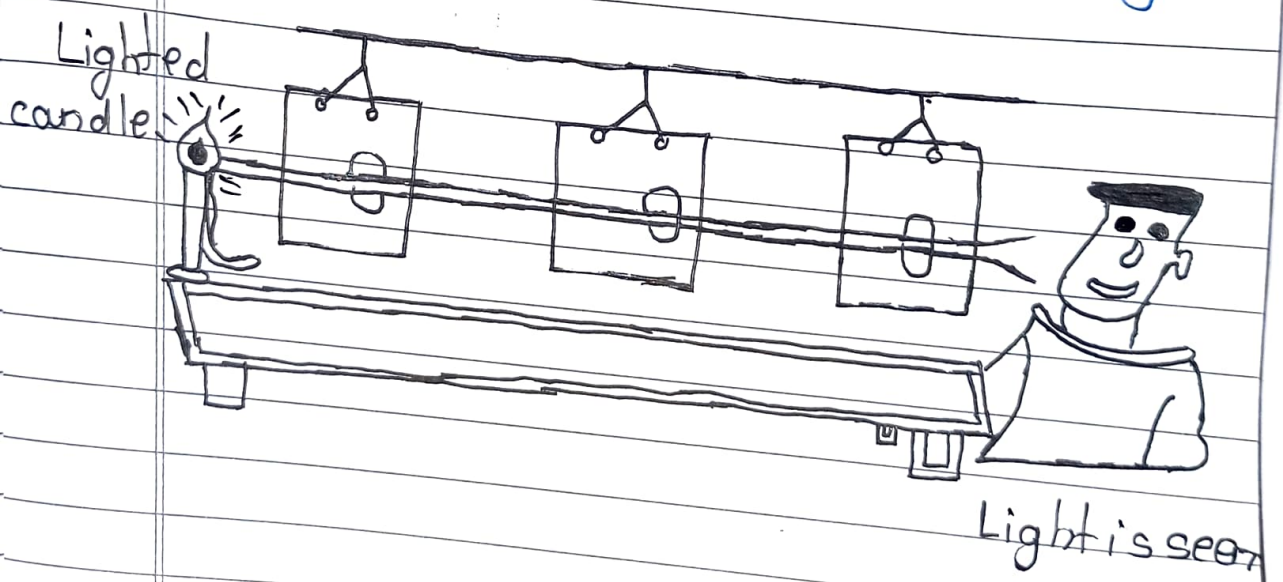


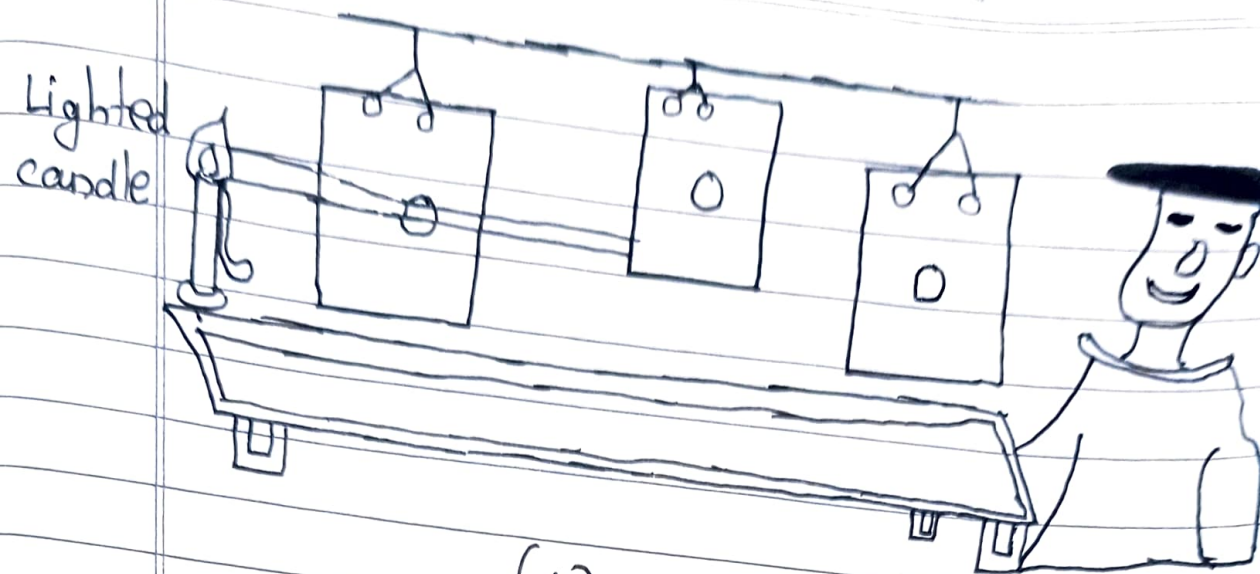
Now bend the straw in the middle and again look at the candle flame through the straw. The flame is not visible now. The reason is that light travels in a straight line path. When the

Straw is bent, the light of the candle flame does not reach our eye.

ACTIVITY-3

Take three square cardboard A, B and C each of side about 5cm. Take a pin and make a small hole in each cardboard at the same height. Suspend the cardboard pieces by separate threads vertically from a support such that hole is at the same height. Pass a string through the holes and put it taut. This make the three holes to be in straight line path.





(b)

Light is not seen

Now slightly displace one of the cardboard line. Again look at the candle flame from the other side of the cardboard C. You do not see the candle flame. The reason is that the light travels in a straight line path.