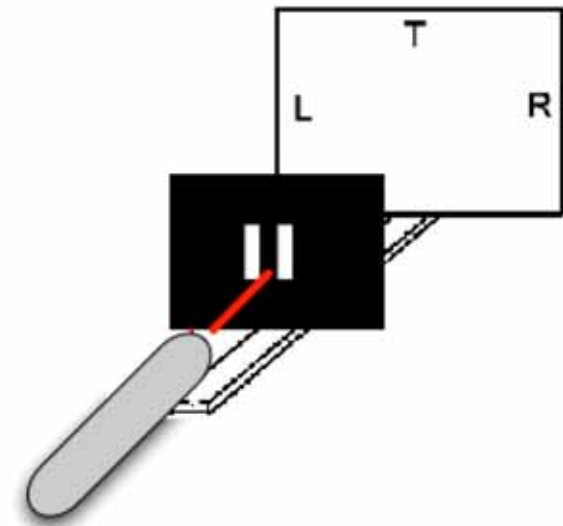




In lab we look at light from a laser passing onto a screen through two narrow slits.

What do you expect will happen if we close one of the slits?

1. The pattern will get dimmer but not change shape.
2. The pattern will become one spot, like in the ray model.
3. We'll still have stripes but different ones.
4. Something else.

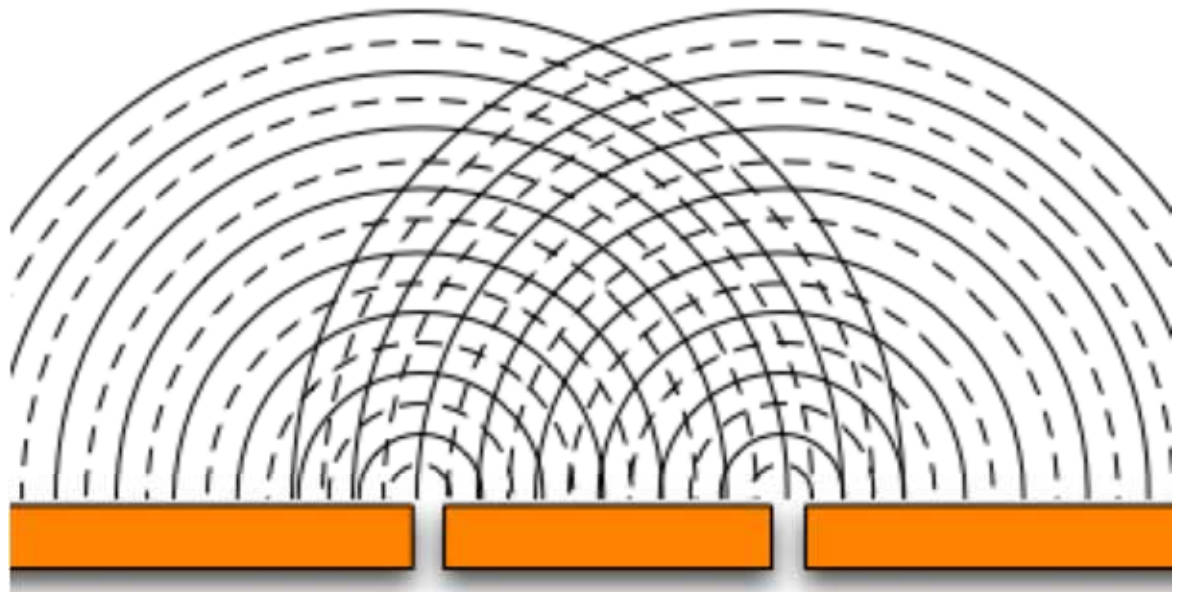




Below is shown a “ripple” picture showing crests and troughs of the ripples of water coming from two slits in a mask at a particular instant. Crests are solid lines, troughs are dashed.

The small star represents a cork. The cork will move:

1. Not at all.
2. Outward away from the slits
3. Up and down the same as with one source
4. Up and down twice as high as with one source
5. Up and down half as high as with one source





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