





book



2 cardboard tubes from rolls of toilet paper or paper towels



tape

- 1. Stand the book up on a desk or table with the front facing you.
- 2. Hold the flashlight close to the book, and turn it on. The front of the book is bathed in light. The back is not. That's because light waves travel in straight lines. They travel straight at the book. They do not go around it.
- 3. Next, tape the two cardboard tubes together. You now have one long tube.
- 4. Take the tubes and flashlight to someplace dark. Shine the flashlight through one end of the tube. The light should shine through the tube and out the other end.
- 5. Now, where the two tubes are taped, bend them so they no longer form one straight tube.
- 6. Shine the flashlight through one end of the tube. The light waves will not shine through the other end because light waves only travel in straight lines.





