



TRAVELLING LIGHT

Try the 'Light and Shadow' game in www.wonderville.ca before you do this activity at home.

Light and sound are both forms of energy ... but they travel in different ways. Try this experiment at home to see if you can identify the difference.

What To do

- Cut a large cardboard mailing tube so that it is about the length of a paper towel roll.
- Attach wax paper to one open end with an elastic and tape or glue a small flat mirror on the wax paper.
- On the other open end, attach a piece of cardboard with a hole in the centre.
- Using a flashlight, shine the light on the mirror and observe the reflection you see. Try this in a darkened room for the best effect.
- Still reflecting the light from the flashlight, have someone else speak into the other end of the tube (through the hole in the cardboard). Now what do you observe?



- Discuss what your observations might tell you about the way in which light travels as compared to the way in which sound travels.

