

REVIEW

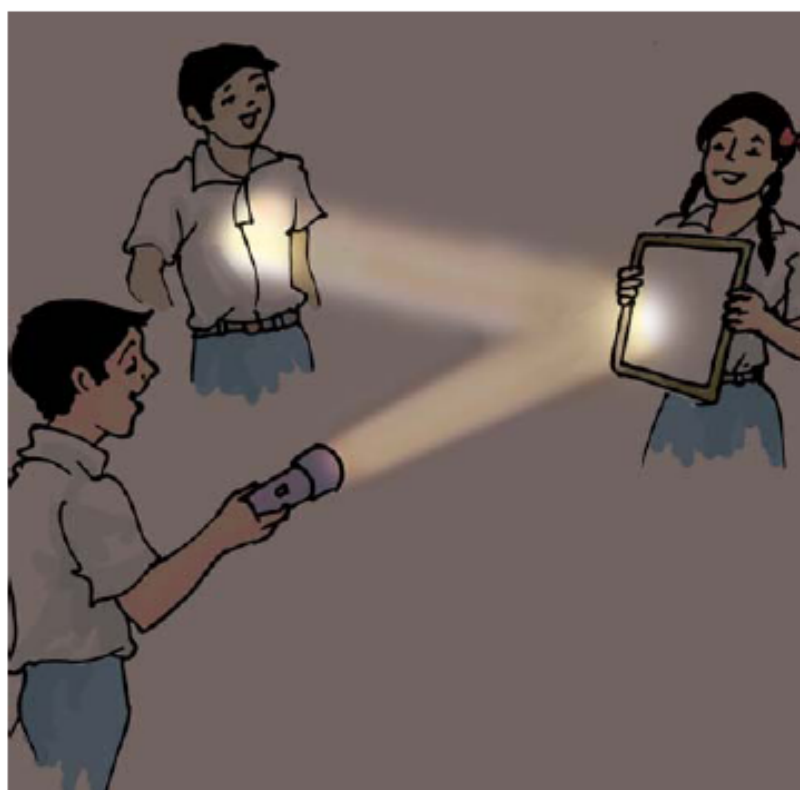
Light sources can **reflect** (bounce) light from another source, or **emit** (make their own) light.

Does the sun emit light or reflect light?

What about the moon?



Light can be **reflected** through a mirror.



Can light bend?

Activity 1:

1. Write your name nice and big on a piece of paper.
2. Ask a partner to hold the paper in front of you while you look at it through a jar of water.
3. What do you see?

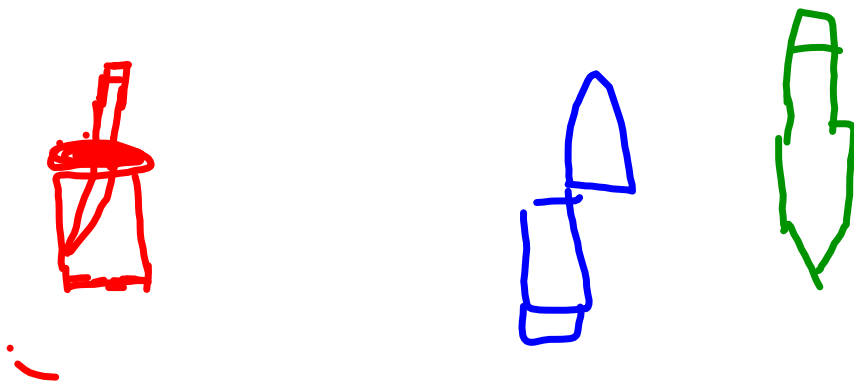
Activity 2:

Using the same jar of water, put a pencil in it and look at the jar from the side.

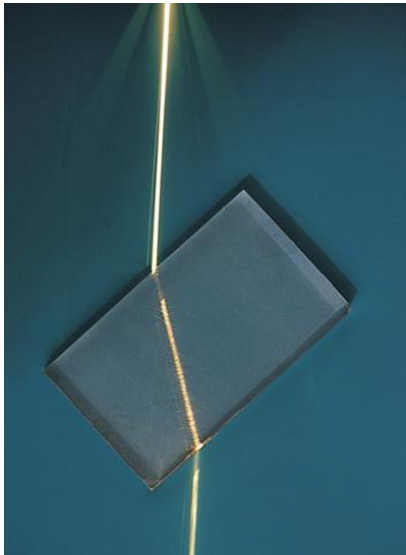
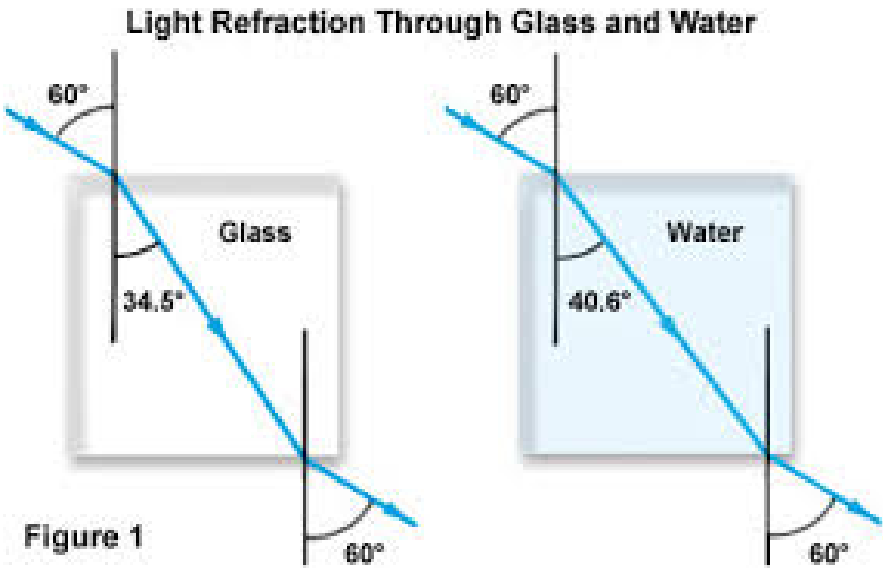
What do you see?

Move the pencil around.

Draw what you see on a piece of paper.

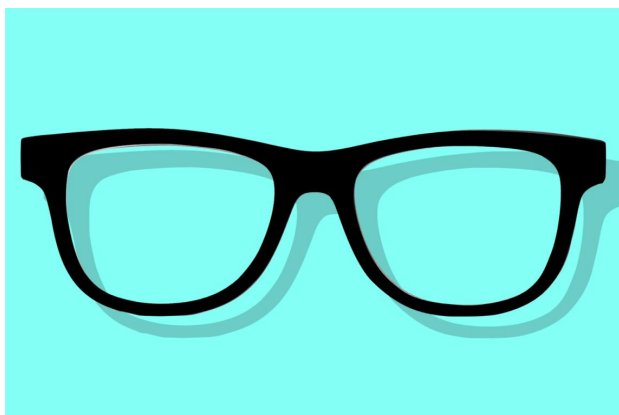


Refraction: the bending of light



What is a **lens**?

Why do you wear glasses?



Each lens in a pair of glasses is made to direct light into the eye.

If you need glasses, light isn't hitting your eye where it is supposed to. Glasses focus the light on where they should hit your eye.

What is the doctor called that you go to test your eyes?

Optometrist!

Optometrist: doctor who examines the eyes to help fix problems.

Optician: a person who makes glasses and contact lenses.

Ophthalmologist: medical doctor who can do surgery. on the eyes.

How else can we **magnify** objects?

Where have we heard the word **magnify** before?

How else can we **magnify** objects?

Where have we heard the word **magnify** before?

- water
- magnifying glass
- microscopes



Why does a rainbow form?