

Light



Fill in the gaps with the correct answer for these important facts about light.

- 1.) Light is made up of _____ colours. We see the colours that are _____ by an object.
- 2.) Light travels in a _____ line until it hits something.
- 3.) Smooth surfaces reflect light in _____ direction. Rough surfaces reflect light in _____ directions.
- 4.) Light travels very _____. Light travels _____ in air and water.



Light Experiment

What happens when you look at a picture through water?

Hypothesis: (Guess what will happen):

I think that when I look at a picture through a glass of water the pictures will look _____ (same/different) because _____.

Materials Needed:

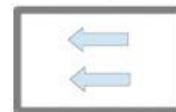
2 pieces of paper
2 markers (Different colours)
A clear glass
Water

Experiment Instructions:

- 1) On one of your pieces of paper, use your markers to draw this:



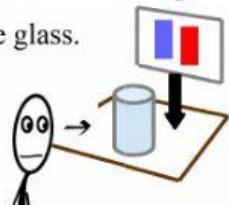
- 2) On the other piece of paper, use a marker to draw this:



- 3) Fill your clear glass with water and place it on the table. Stand in front of the glass and look through it.
- 4) Slowly lower your first paper down behind the glass of water and watch through the glass.

WHAT HAPPENED??! 😱

- 5) Now try it with your other drawing!

**Experiment Summary:**

Was your hypothesis correct? _____

When you looked at the pictures through the glass of water, did they look the same or opposite? _____

The pictures look _____ because of light _____.

Want to watch this experiment?

Here are some links: