

Zedua Experiments

Title: Make Your Own Rainbow

What is a rainbow?

Rainbow is an arch colours visible in the sky, caused by the refraction and dispersion of the sun's light by rain or the other water droplets in the atmosphere.

Make this colourful experiment at home.

Challenge: Can you make rainbow on your own?

Materials Required:

1. A glass of water (about three quarters full)
2. White paper
3. A sunny day

Procedure:

1. Take the glass of water and paper to the sunlight.
2. Hold the glass of water above the paper and watch as sunlight passes through the glass of water. The light refracts (bends) and forms a rainbow of colours on your sheet of paper.
3. Try holding the glass of water at different heights and angles and observe different effects.

What's happening?

Rainbow as an arc of colour in the sky. They can also form in other situations. You can sometimes see a rainbow in a water fountain or in the mist of a waterfall and you can even make your own such as you did in this experiment.

The sunlight refracts, separating it into the colours red, orange, yellow, green, blue, indigo and violet.



Source: pintrest 1

www.zedua.com