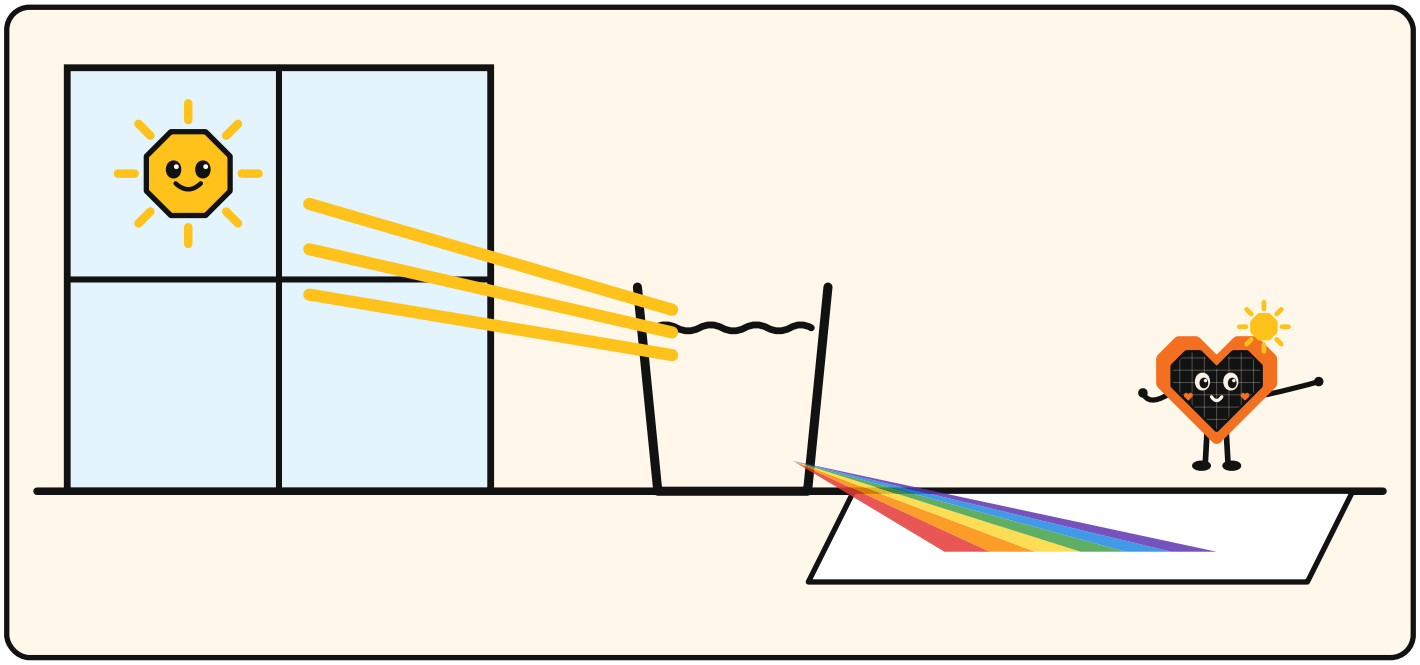
Make a rainbow at home

Sunlight looks white, but it is really a mix of colours. A glass of water can bend the light and spread the colours out, like a tiny rainbow.



You need

- A clear glass or jar of water
- A sheet of white paper
- A sunny window or a sunny day
- A grown-up helper

1. Fill the glass almost to the top with water.
2. Put it where sunlight shines through it, on a window sill or a table near the window.
3. Hold or lay the white paper on the side away from the sun. Move the paper and tilt the glass slowly until colours appear.
4. Draw and colour your rainbow below. Which colour is at the top?

My rainbow

Never look straight at the sun, even through the glass. Look only at the paper.

Real rainbows in the sky work the same way: sunlight bends through tiny raindrops.