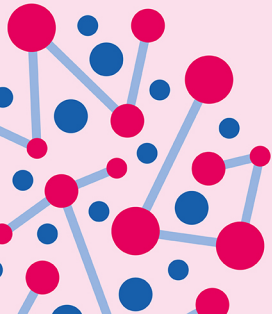




Create a rainbow

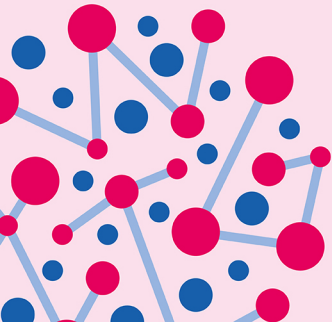
At-home science activity

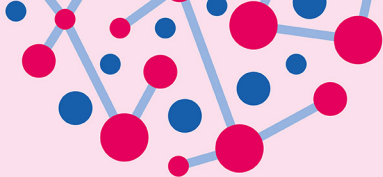


twigEDUCATION

You will need:

- Piece of black card (A4)
- Sheet of white paper (A3)
- Glass of water
- Light source (lamp or a flashlight)
- Scissors
- Sticky tape





1. You are going to create a rainbow using a glass of water and a light source!
2. Start by cutting a narrow slit in a piece of card.
3. Stick the card to the side of the glass, with the slit vertical, and stand on a sheet of white paper.
4. Shine a light source through the slit and glass. You should see the light split and fall as colours onto the sheet of paper.
5. Why did this happen? Swipe to find out more...

- Even though sunlight looks white, it's actually made up of seven different colors called a spectrum: red, orange, yellow, green, blue, indigo, and violet.
- When light passes from the air into water, droplets can lead to the light being refracted or "bent," meaning that the light reflects off the inside of the droplet and separates into the seven colors.
- Rainbows are always made of the same seven colors, which always appear in the same order!

