

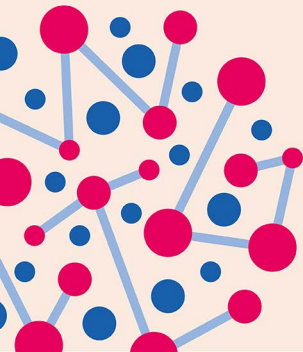
What makes a shadow?

At-home science activity



You will need:

- Flashlight
- Building blocks
- Large sheets of paper
- Colored pencils or crayons





1. Create a shape out of the building blocks and place it on top of the sheet of paper.

2. Shine the flashlight at the building block shape, so that it makes a clear shadow on the paper.

3. Use a colored pencil or crayon to trace around the outline of the shadow (this can be tricky while holding the flashlight, but try your best—or you can work in a pair!).

4. Move the flashlight and watch how the shadow changes, and trace it with a different color!

5. Consider the following questions:

- Does the shape of the shadow change?
- Does the size of the shadow change?
- Does the position of the shadow change?
- Why do you think this happens?

