Science and technology · Grade 3

Light and shadows

Read or look closely

A lamp shines on a wall. If you put cardboard between them, a darker area appears on the wall.

Answers

1. In the example, what is the light source?

The lamp.

2. Which object blocks the light?

The cardboard.

3. Where do we see the shadow?

On the wall, beyond the cardboard from the lamp.

4. Draw the setup from the example with the lamp, cardboard and wall. Show where the shadow appears.

The cardboard is between the lamp and the wall. Its shadow appears on the wall.

5. If you remove the cardboard, will its shadow remain? Explain.

No. The cardboard no longer blocks the light.