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Shadow about Worksheet الملف

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Name:

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Science

Check your progress

1. Use the following words in a sentence to describe how a shadow forms.

shadow light light source object blocked opaque



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2. Here is a list of materials:

clear plastic wrap tin foil clear glass wooden block tinted glass

a) Choose **two** of the opaque materials.

→

b) Choose **two** translucent materials.

→

c) Choose **one** of the transparent materials.

→

3. Chad is making a shadow puppet show. He cut out his puppet from cardboard and stuck it on a stick. But the shadow was too big for the screen.



a. What is Chad using for a light source?

b. What is Chad using for a screen?

c. Describe **two** ways in which Chad could make the shadow smaller.

4. Some children did a shadow stick experiment. Copy and complete these sentences about shadow length at different times of the day.

Write **longer** or **shorter** to the correct alternatives.

a. Between 08:00 and midday the shadow becomes .

b. Between midday and 16:00 the shadow becomes .

c. The shadow is  at sunrise and sunset.

d. The shadow is  in the middle of a day.

5. Emilio and Julio are traveling by car through a tunnel. The tunnel is 10km long. At the first it is completely dark in the tunnel. Then, after 5 minutes Julio says, 'look, I can see the light at the end of the tunnel!'.



Explain why the boys could not see the light at the end of the tunnel to begin with.

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