

Science

Year 3 Topic Test

Light

Name:

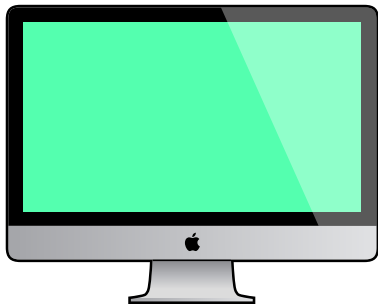
Class:

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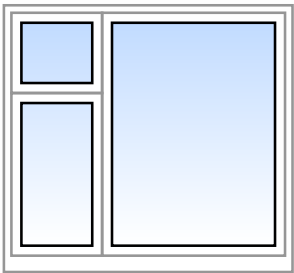
Raw Score



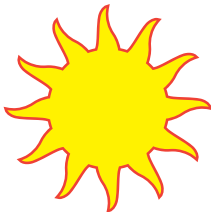
1 Source or not?



computer screen



window



Sun



car headlights



Moon

Some of the objects above are light sources and some are not. Complete the table. Two have been done for you:

a

light source	not a light source
Sun	Moon

2 marks

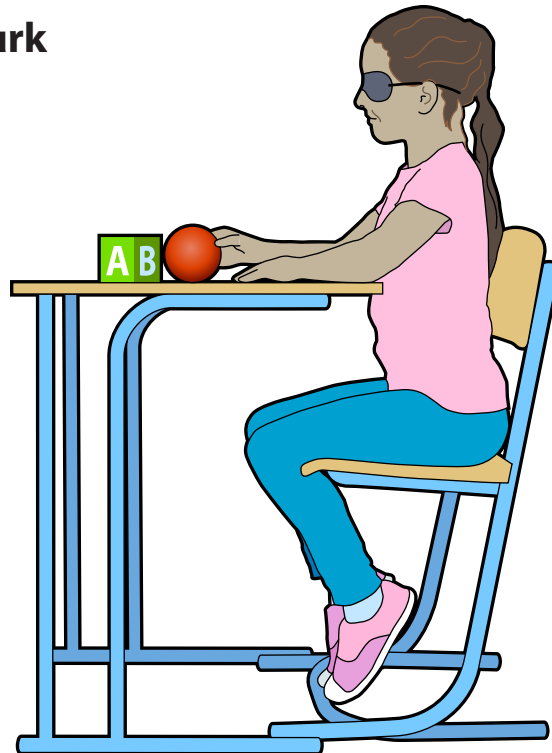
b The Moon is not a source of light. How can it provide light on a dark night?

.....

.....

1 mark

2 Light and dark



Serena is wearing a blindfold. There are objects on the table which she feels with her hands.

Circle **true** or **false** next to the statements below:

- a She can tell her friends the colours of the objects. **true / false**
- b She can say how many sides the objects have. **true / false**
- c Serena can clearly see the objects. **true / false**

2 marks

Answer the question below:

- d What is the best type of material to make a blindfold from?
Circle your answer.

transparent

opaque

translucent

1 mark

Page Total

3 Sunlight



Look at the picture above and complete the following:

- a Write **one** way that the people could protect their eyes from the bright sunlight.

.....

1 mark

- b Write **two** ways that the people could protect their skin from the bright sunlight.

1

2

2 marks

- c Circle **one** good thing that sunlight can do for us.

age skin

provide vitamin D

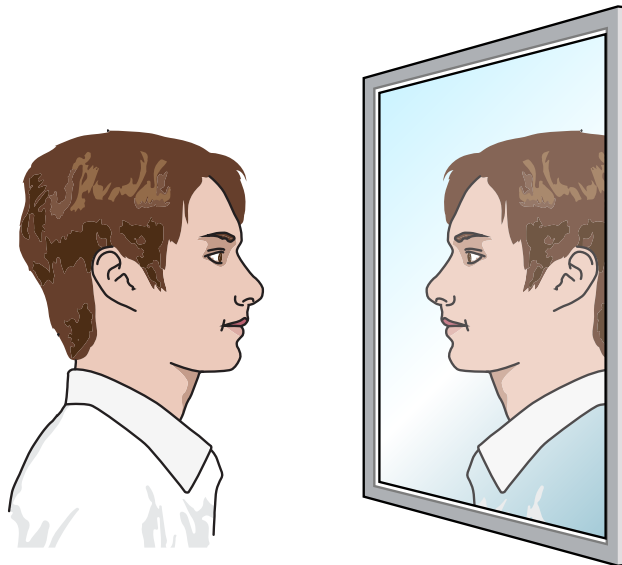
keep us cool

keep us hydrated

1 mark

Page Total

4 Mirror, mirror, on the wall...



Answer the following questions:

- a Bobby is looking at his reflection in the mirror. He raises his left hand. Which hand appears to be raised in the mirror?

.....

1 mark

- b The word below appears like this in a mirror. What is the word?

2CNOOL

.....

1 mark

- c Circle the word '**HANDS**' as it would appear in a mirror.

2CNOAH

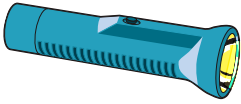
SDNAH

HAND2

1 mark

Page Total

5 Light and shadow



Complete the following:

- a Draw the position of the shadow in the picture above.

1 mark

Complete the following by circling the correct answer:

- b The torch is moved further away from the ball.
What happens to the shadow?

The light blocks it. **It gets smaller.** **It gets bigger.**

1 mark

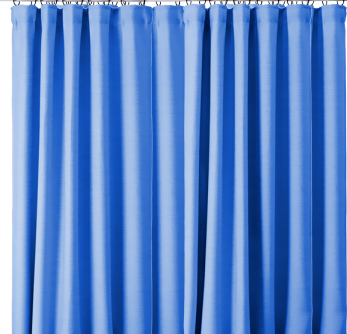
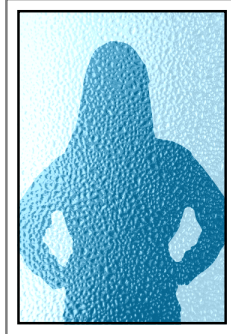
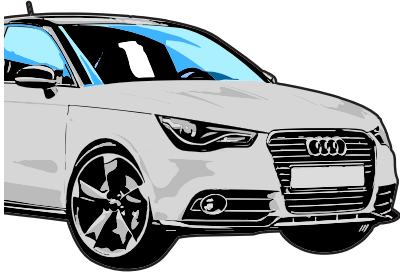
- c The ball is replaced with transparent glass.
The torch remains lit and in the same position.
What happens to the shadow?

It gets smaller. **It disappears.** **It gets longer.**

1 mark

Page Total

6 Letting light through



For each of the sentences below, circle the correct word to match it:

- a Curtains block out light from outside.

translucent

opaque

transparent



1 mark

- b Light comes through a bathroom window, but you can't see clearly through it.

translucent

opaque

transparent



1 mark

- c What kind of material would be best to use for windows looking out into the garden?

translucent

opaque

transparent

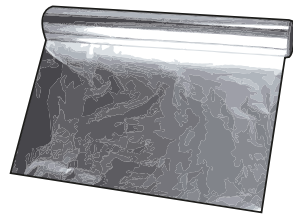


1 mark

Page Total



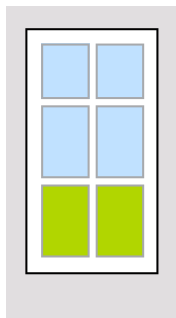
7 Sources of light



shiny metal



lamp



window



television screen



mirror

Complete the following:

- a Which **two** of the items above are sources of light?

1

2

2 marks

Circle **true** or **false** next to the statements below:

If you need to create complete darkness in a room you only need to:

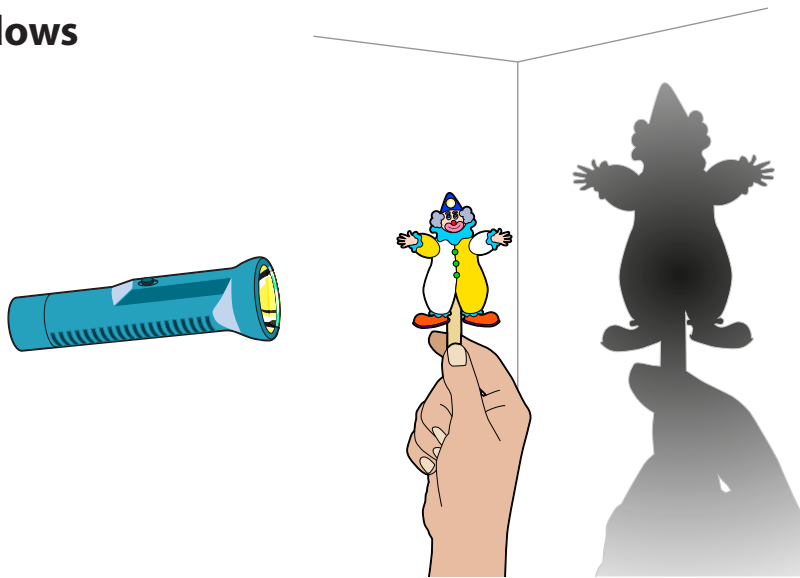
- b Remove all sources of light. **true / false**

- c Wear sunglasses. **true / false**

1 mark

Page Total

8 Shadows



Matthias shines a torch at a clown puppet. The shadow of the puppet is seen on the wall.

Circle the correct answer to each of the following:

- a What kind of material would not form a shadow?

translucent

opaque

transparent

1 mark

- b What kind of material is the clown?

translucent

opaque

transparent

1 mark

- c When the torch moves nearer to the puppet, what happens to the size of the shadow? Circle your answer.

It gets smaller.

It gets bigger.

It stays the same.

1 mark

- d When the torch moves to the left of the puppet, what happens to the shadow? Circle your answer.

It moves left.

It moves right.

It stays still.

1 mark

Page Total

9 Harmful or helpful sunshine?



- can cause skin cancer
- can provide warmth
- provides us with Vitamin D
- helps plants make food
- causes skin to wrinkle

Complete the following:

The Sun can be good for you and bad for you at the same time. Put the things in the box above into the correct place in the table below. Two have been done for you.

helpful (good)	harmful (bad)
provides us with vitamin D	can cause skin cancer

2 marks

Page Total

Test Total /28