Name ..... Class .....

Total marks /16

1 What happens to this person's reflection if the source of light is removed or switched off? Tick the correct answer.

It becomes brighter ☐

There is no reflection ☐

The reflection looks further away ☐

Reflection looks upside down ☐

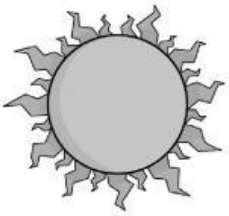
[1]

2 Look at the pictures. Decide which objects are sources of light and which reflect light. Fill in the table. One is done for you.

torch

metal spoon

mirror



Sun

	Objects
Source of light	Sun
Reflects light	

[3]

3

a The first picture shows a dark street. What is darkness?

..... [1]

b What is the main source of light in the other picture?
Circle the correct answer.

street lights Moon Sun candles [1]

4 Students were studying the apparent movement of the Sun.
Tick **two** pieces of advice they should follow to stay safe.

Always study the Sun at the same time every day ☐

Never look directly at the Sun ☐

Protect your eyes on bright sunny days ☐

Only study the Sun in summer ☐

Wait for the Sun to be high in the sky ☐ [2]

5 Complete the sentence by writing in the correct choice of statement.

is blocked by	travels through	bends around	is reflected by

A shadow is formed when light ..... an object. [1]

6 Look at the pictures.

A

B

C

a Which vase do you predict will make the darkest shadow?
Write the letter.

..... [1]

b Complete the word to describe an object that does not let light pass through it.

o _ _ q _ _ [1]

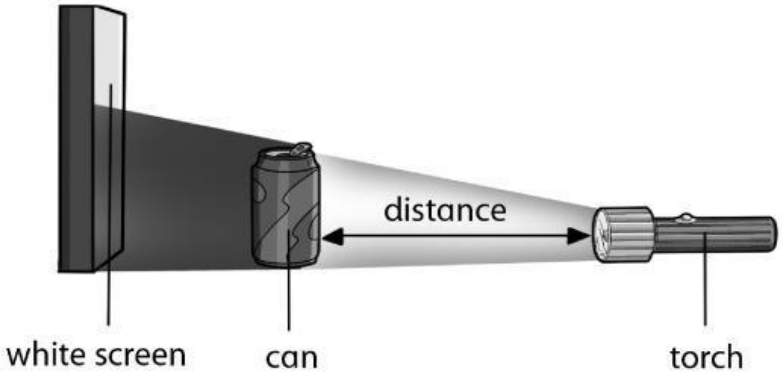
c Class 3 are investigating the vases to find out which one makes the darkest shadow.

Tick the **two** things you should keep the same to make sure the test is fair.

Distance between light source and the screen	☐
Carry out tests on the same day	☐
Use the same light source	☐
The same person carries out the tests	☐

[2]

7 Two students investigated the shadow of a can using the equipment below. They placed the torch at different distances from the can and measured the shadow.



They wrote down these heights of the shadows but forgot to put them in the table:

20 cm 30 cm 10 cm 15 cm 25 cm

Write the heights of the shadows in the correct place in the table. Two have been done for you.

Distance of can from torch (cm)	Height of shadow on screen (cm)
20	
40	25
60	
80	15
100	

[3]