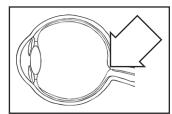
# Light Knowledge Organiser Quiz



Read each question and tick the correct answer.

1	W	hat is a light source?		5	Which of these people does NOT		
	Α	an object that reflects light			ne	need to wear reflective clothing?	
	В	an object that makes	$\overline{\bigcirc}$		A	a firefighter	$\overline{}$
	_	its own light			В	someone in pyjamas going to bed	$\bigcirc$
	С	an object that does not let light pass through it	$\bigcirc$		C	a cyclist riding home in the dark	
2	Н	ow does light travel?					
	A	in a straight line	0	<b>(6</b> )		hat happens to an image wl oking in a mirror?	ıen
	В	in a curved line	$\bigcirc$		A	it appears to be reversed	
	С	in curved and straight lines	$\bigcirc$		В	it appears to be rotated	
3		hat happens to the light ray v	vhen		С	it appears exactly the same the real thing	as O
	A	it stops	$\overline{\bigcirc}$	7	W	hat is dark the absence of?	
	В	it bounces back the way it came	$\bigcirc$		A	objects	$\bigcirc$
	C	it is reflected			В	sunlight	$\bigcirc$
					С	light	$\bigcirc$
4		hat type of surface reflects ght the best?					
	Α	rough and dull	$\bigcirc$				
	В	smooth and shiny	$\bigcirc$				
	С	big and uneven	$\bigcirc$				

/				31 1	9/
( <b>8</b> )	What	part	of the	eye is	this?



Α	pupil	$\bigcirc$
В	retina	$\overline{\bigcirc}$
С	iris	$\bigcirc$

9	What	does	the	pupil	in	your	eye	do
---	------	------	-----	-------	----	------	-----	----

- A controls the amount of light entering the eye
- **B** sends information to the brain
- **C** changes the focus of light rays in order to create clear images

# (10) Why is it important to wear sunglasses with a UV rating?

- A to help you see colours more clearly
- **B** to protect your eyes from too much light causing damage to your retina
- **C** to help the sun's rays reflect off the lenses

#### (11) How would you describe this object?



Α	opaque	$\subset$
В	translucent	С
С	transparent	

## (12) What is a translucent object?

- A an object that lets some light through but that can't be seen through properly
- **B** an object that does not let any light pass through
- **C** an object that lets light through easily so you can see through the object

# (13) Which of these objects is opaque?

Α	***	wooden door	$\bigcirc$
В	C. Tollows	stained glass window	0
С		magnifying glass	$\bigcirc$

14)	W	hat causes a shadow?	
	A	when the light source is too far away and no more light can travel	C
	В	when light is blocked by a transparent object	C
	С	when light is blocked by an opaque object	C
15)	ob	hat happens to a shadow when ject is moved further away fro e light source?	
	A	it gets bigger	$\subset$
	В	it gets smaller	$\overline{C}$
	С	it stays the same size	С
16		hen light hits an object, where es the shadow appear?	
	A	to the opposite side of the object	С
	В	directly underneath the object	$\overline{C}$
	C	no shadow is formed	



# Light Knowledge Organiser Quiz Answers



an object that makes its own light when light is blocked by an C opaque object in a straight line В it gets smaller it is reflected to the opposite side of the object 16 smooth and shiny someone in pyjamas going to bed it appears to be reversed light retina controls the amount of light entering the eye to protect your eyes from too much light causing damage to your retina transparent an object that lets some light

through but that can't be seen

through properly

wooden door

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	С	an object that does not let light pass through it	$\bigcirc$		C	going to bed a cyclist riding home in the dark	0	
2	Н	ow does light travel?						
	A	in a straight line	0	6		hat happens to an image wl oking in a mirror?	nen	
	В	in a curved line	$\bigcirc$		A	it appears to be reversed		
	С	in curved and straight lines	$\bigcirc$		В	it appears to be rotated	0	
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What part of the eye is this?

Α	pupil	$\bigcirc$
В	retina	$\bigcirc$
С	iris	$\bigcirc$

9	W	hat does the pupil in your eye do?
	Α	controls the amount of light entering the eye
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10	Why is it important to wear
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4	C	T

#### How would you describe this object?



Α	opaque	C
В	translucent	C
С	transparent	$\subset$

## 12) What is a translucent object?

Α	an object that lets some light	$\bigcup$
	through but that can't be seen	
	through properly	

- **B** an object that does not let any light pass through
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# 13 Which of these objects is opaque?

Α	\$1-8 \$1-8	wooden door	$\bigcirc$
В		stained glass window	$\bigcirc$
С		magnifying glass	$\bigcirc$

14)	W	hat causes a shadow?	<b>3</b>
	A	when the light source is too far away and no more light can travel	0
	В	when light is blocked by a transparent object	$\bigcirc$
	С	when light is blocked by an opaque object	
15	ob	hat happens to a shadow whe ject is moved further away fro e light source?	
	A	it gets bigger	
	A B	it gets bigger it gets smaller	<u>O</u>
			0
16	B C	it gets smaller	
16	B C	it gets smaller it stays the same size hen light hits an object, where	
16	B C	it gets smaller  it stays the same size  hen light hits an object, where es the shadow appear?  to the opposite side of	0

# Light Knowledge Organiser Quiz Answers

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