Light and Shadow

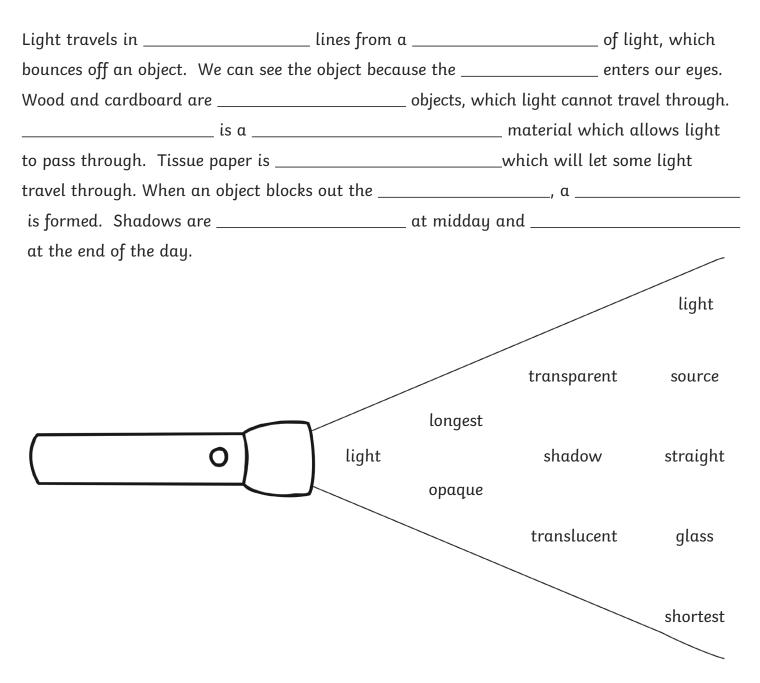
Amazing Fact

You can buy a torch which is 20 000 times brighter than a regular torch. It can be used to start fires, melt polystyrene and even fry eggs!

Do you know how light travels? Select the missing words from the torch below and fill in the gaps.

Challenge 1

Do you know how light travels? Select the missing words from the torch below and fill in the gaps.



Light and Shadow

Challenge 2

Sort the materials into 3 groups: opaque, transparent and translucent.

Transparent		Opaque		Translucent		
paper	######################################	ice cubes		window		
pencil		sandwich ba	lg	glass bottl	e	
sticky tape		chair		tin can		
You could also tru to find out:						

You could also try to find out:

- what the brightest light on Earth is;
- how far searchlights can cast their beams;
- how far your torch at home will shine;
- about the relationship between light and heat.

An Amazing Fact a Day

Light and Shadow **Answers**

Light travels in _	straight	_lines from a	source	eof ligh	nt, whic	h bounces off an			
object. We can	see the object b	ecause the	light	_enters our ey	es. Woo	od and cardboard are			
opaque ok	ojects, which lig	ht cannot travel	through	Glass	_is a	transparent			
material, which allows light to pass through. Tissue paper is <u>translucent</u> , which will let some light									
travel through. When an object blocks out the light , a <u>shadow</u> is formed. Shadows are									
shortest	at midday an	d <u>longes</u> t	tat the	end of the day	•				