Where Does Light Come from?



When something gets very hot, it usually sends out light. Campfires and bonfires give us heat, but they also give us light. The sun gives us most of our heat and light. We need the sun for us to live on Earth, but it can also be harmful. The sun is so bright that it will damage your eyes if you look straight at it. Too much light from the sun can hurt your skin and give you sunburn.

I think light comes from our eyes.





light comes from my eyes, why can't I see in the dark?



Write the correct answer for each sentence.

1.	The sun is a		(rock, star, balloon)		
2.	The shape of the sun	Is a	(s	quare, cube, sphere)	
3.	The sun is made up of	lots of	. (stars, rocks, gases)		
4.	The sun's light takes 8		to reach E	arth. (minutes, hours)	
5.		travels round	the	(Earth, sun)	
6.	The is	bigger than		. (Earth, sun)	









Materials

does 'material' mean?

My shirt is made from cotton material,



New Words

transparent

opaque

flexible waterproof



My desk is made of two materials.

Look carefully at these classroom objects. Write Yes or No.

	Transparent (we can see through it)	Opaque (we can't see through it)	Flexible (bendy)	Waterproof (keeps out water)	Does it work well?
Small World book	No	Yes			
My schoolbag					
My eraser					
My pencil case					
My desk					
Sticky tape					
My coat					



Find objects made from two materials, e.g. a plastic pencil case with a metal zip. Explain why the two materials work well together. Look at these objects: parer, door, window, desk, chair, coat. What materials are they made of?





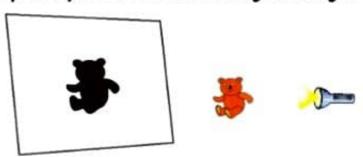


What Is a Shadow?

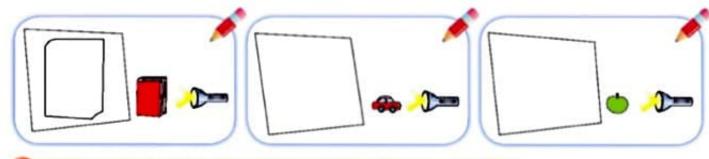


When an object blocks out light, we get a shadow. The object must be opaque to make a shadow. An opaque object is one that no light can get

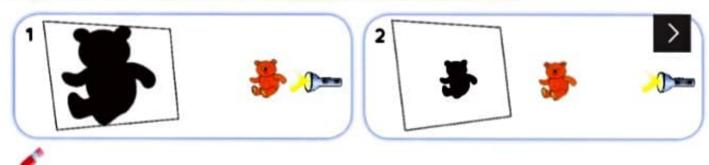
through, such as a teddu or an apple. A transparent object does not make solid shadows because it lets light through. A glass is a transparent object, so is a clear plastic bag.



Shade in or draw the shadow that each opaque object makes.



What is the difference between these two pictures?



Shade in the shadow the sun makes at different times of the day.

When the sun shines on opaque objects it makes shadows. It makes the longest shadows at the beginning and at the end of the day. The sun is low down in the sky at these times (close to Earth). The sun makes the shortest shadows in the middle of the day, when it is high up in the sky (farther away from Earth).

