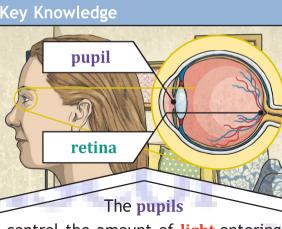
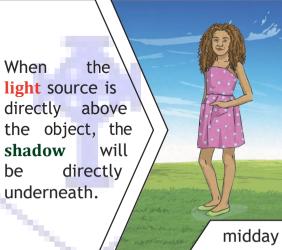
Key Vocabulary		Key Knowledge		
light	A form of energy that travels in a wave from a source.	We need <b>light</b> to be able to see things. <b>Light</b> travels in a straight line. When	•	
light source dark	An object that makes its own light. Dark is the absence of light.	<ul> <li>light hits an object, it is reflected</li> <li>(bounces off). If the reflected light hits our eyes, we can see the object. Some</li> </ul>	•	
reflection	The process where <b>light</b> hits the surface of an object and bounces back into our eyes.	surfaces and materials <b>reflect light</b> well. Other materials do not <b>reflect light</b> well. <b>Reflective</b> surfaces and materials can be very useful	The light is reflected from the object.	
reflect	To bounce off.		Light from the torch hits the object.	
reflective	A word to describe something which reflects light well.			
ray	Waves of <b>light</b> are called <b>light rays</b> . They can also be called beams.	hi-vis jacket cat's eyes		
Mirrors reflect light very well, so they create a clear image. An image in a mirror appears to be reversed. For example, if you look in a mirror and raise your right hand, the mirror image appears to raise its left hand.		The surfaces that reflect light be	est are smooth, shiny and flat.	

## Light

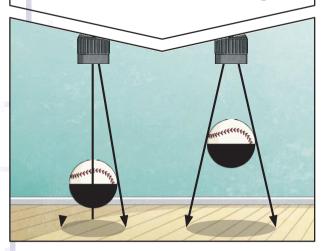
Key Vocabulary		Key Knowle	
pupil	The black part of the eye which lets <b>light</b> in.	pu	
retina	A layer at the very back of the eye. The <b>retina</b> takes the <b>light</b> the eye receives. It then changes it into nerve signals to send to the brain.		
shadow	An area of darkness where <b>light</b> has been blocked.		
opaque	Describes objects that do not let any <b>light</b> pass through them.	control the the eyes. then it can help protec hat with a with a UV	
translucent	Describes objects that let some <b>light</b> through, but scatter the <b>light</b> so we can't see through them properly.		
transparent	Describes objects that let <b>light</b> travel through them easily, meaning that you can see through the object.		
opaque	translucent transparent	light source directly a	
		the object shadow be dire underneath	



control the amount of **light** entering the eyes. If too much **light** enters, then it can damage the **retina**. To help protect the eyes, you can wear a hat with a wide brim and sunglasses with a UV rating.



A **shadow** is caused when **light** is blocked by an **opaque** object. A **shadow** is larger when an object is closer to the **light** source. This is because it blocks more of the **light**.



When a light source is to one side of an object, the shadow will appearon the opposite side. The shadow will also be longer.

