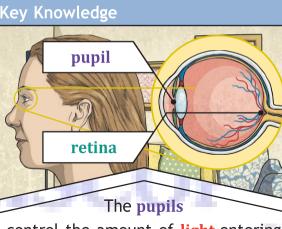
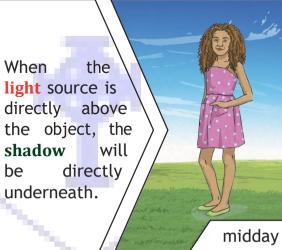
Key Vocabulary		Key Knowledge		
light	A form of energy that travels in a wave from a source.	We need light to be able to see things. Light travels in a straight line. When	•	
light source dark	An object that makes its own light. Dark is the absence of light.	 light hits an object, it is reflected (bounces off). If the reflected light hits our eyes, we can see the object. Some 	•	
reflection	The process where light hits the surface of an object and bounces back into our eyes.	surfaces and materials reflect light well. Other materials do not reflect light well. Reflective 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 light are called light rays . 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

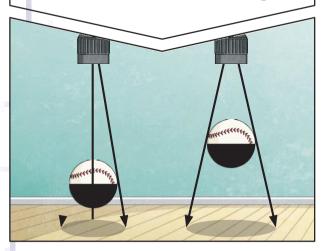
Key Vocabulary		Key Knowle	
pupil	The black part of the eye which lets light in.	pu	
retina	A layer at the very back of the eye. The retina takes the light the eye receives. It then changes it into nerve signals to send to the brain.		
shadow	An area of darkness where light has been blocked.		
opaque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

