

<p><b>Question for Learning:</b> <u>What do we need to see?</u></p> <ul style="list-style-type: none"> <li>We should never stare directly at any intense light source e.g. the sun. This can damage our eyes.</li> <li>Light comes a light source e.g. the sun, an electric lamp, a torch.</li> <li>We need light in order to see things.</li> <li>Darkness is the absence of light.</li> </ul>	<p>Grouping and classifying</p>
<p><b>Question for Learning:</b> <u>Which is the shiniest?</u></p> <ul style="list-style-type: none"> <li>Light is reflected from surfaces.</li> <li>Light 'bounces off' objects.</li> <li>Different objects reflect different amount of light.</li> </ul>	<p>Grouping and classifying</p>
<p><b>Question for Learning:</b> <u>How can we make it easier to be seen at night?</u></p> <ul style="list-style-type: none"> <li>People can wear reflective materials so that they can be seen in the night.</li> <li>Reflective objects that are used at night: lights on bikes, reflective vest, lights on the road.</li> </ul>	<p>Grouping and classifying</p>
<p><b>Question for Learning:</b> <u>How do mirrors do?</u></p> <ul style="list-style-type: none"> <li>Mirrors are very good reflectors of light.</li> <li>We can use mirrors to see on turning on bends and to see our reflection.</li> <li>Light is reflected off mirror, mirrors don't give off light.</li> </ul>	<p>Grouping and classifying</p>
<p><b>Question for Learning:</b> <u>How can I make a shadow?</u></p> <ul style="list-style-type: none"> <li>Shadows are similar in shape to the objects forming them.</li> <li>To create a shadow you need a light source on the object and a surface.</li> <li>Some objects make better shadows than others because of their material.</li> </ul>	<p>Comparative and fair testing</p>
<p><b>Question for Learning:</b> <u>Can you change the shape and size of a shadow?</u></p> <ul style="list-style-type: none"> <li>The position of a shadow can change because the sun moves through the day.</li> <li>The size of a shadow can change if the light source is far away from the object.</li> </ul>	<p>Comparative and fair testing</p>

Key Words	
Light	Is an energy source.
Dark	Darkness is when light there is no light.
Transparent	If an object is transparent, you can see through it.
Translucent	If a material is translucent, some light can pass through it.
Opaque	An object you are not able to see through.

A **light source** is something that gives out light. This is also known as **luminous**.

The shadow's position will change as the Sun rises in the East and sets in the West. The shadows get shorter as the Sun moves higher in the sky until midday and then get longer again as the Sun sets.

<p>transparent</p>	<p>translucent</p>	<p>opaque</p>
<p>Lets <b>most light</b> through so <b>little or no shadow</b> forms.</p>	<p>Lets <b>some light</b> through so a <b>light shadow</b> forms.</p>	<p>Lets <b>no light</b> through so a <b>shadow</b> forms.</p>