

Y6 LIGHT ASSESSMENT

Topic: Light	Year: 6	Strand: Physics
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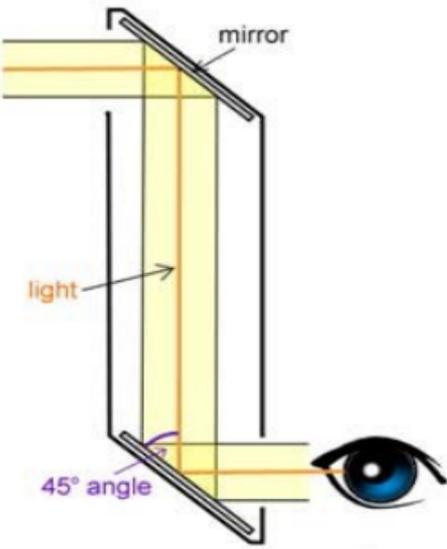
Question 1: When light bounces off a surface, it is..	Start of unit:	End of unit:
absorbed		
dissolved		
reflected		
bounced		

Question 3: The word that best describes an object that does not allow light to travel through it is.....	Start of unit:	End of unit:
transparent		
translucent		
opaque		

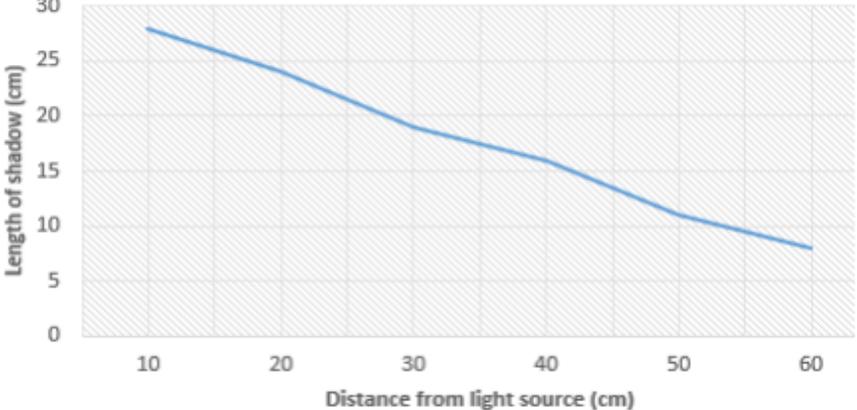
Question 2: Shadows are formed when...	Start of unit:	End of unit:
light is let through an object		
light reflects off an object		
it is dark		
light cannot travel through an object		

Question 4: How do we see an object?	Start of unit:	End of unit:
Light reflects off the object and enters our eyes		
Light travels from our eyes and reflects off the object		
Light reflects off our eyes and enters the object		

Question 5: A child says that a shadow takes the shape of the light source. Is this true or false? Explain your reasoning.	Start of unit:	End of unit:

Question 6: Describe how the mirrors in a periscope allow us to see.	Start of unit:	End of unit:
		

<p>Question 7: You design an experiment to test the size of a shadow that is cast by a light source. Name one thing you will keep the same. Name one thing you will change.</p>	<p>Start of unit:</p>	<p>End of unit:</p>

<p style="text-align: center;">Shadow Investigation</p>  <table border="1" data-bbox="300 660 1157 1070"> <caption>Data points from the Shadow Investigation graph</caption> <thead> <tr> <th>Distance from light source (cm)</th> <th>Length of shadow (cm)</th> </tr> </thead> <tbody> <tr><td>10</td><td>28</td></tr> <tr><td>20</td><td>24</td></tr> <tr><td>30</td><td>19</td></tr> <tr><td>40</td><td>16</td></tr> <tr><td>50</td><td>11</td></tr> <tr><td>60</td><td>8</td></tr> </tbody> </table>	Distance from light source (cm)	Length of shadow (cm)	10	28	20	24	30	19	40	16	50	11	60	8	<p>Start of unit:</p>	<p>End of unit:</p>
Distance from light source (cm)	Length of shadow (cm)															
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<p>Question 8: Look at the graph above. What was the approximate length of the shadow when the object was 35cm away from the light source?</p>																

<p>Question 9: Look at the graph above. Approximately, how far away from the light source was the object when the length of the shadow was 25cm long?</p>		
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<p>Question 10: Write a conclusion about what the line graph is showing using scientific vocabulary.</p>		
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