

Y8 Light Test: Answer Sheet

For each of the questions listed on the separate question sheet, you must choose the answer below that you think is correct using the drop-down choices. When you have marked your work, use the suggestions in the last column to do more revision so that you can get a higher score next time.

Topic	My answer	If I got this question wrong, I need to...
8Ja	1	Improve my knowledge about how light travels.
	2	Learn the definitions of transparent, translucent and opaque.
	3	Explain how light enables us to see things.
	4	Be able to compare the speed of light with the speed of sound.
8Jb	1	Describe what happens when light bounces off different surfaces.
	2	Explain what a plane mirror is.
	3	Be able to predict the angle of reflection from a plane mirror.
	4	Describe the type of image that is seen in a plane mirror.
8Jc	1	Recall the meaning of the word "refraction".
	2	State the reason why refraction happens.
	3	Draw ray diagrams to show what happens when light goes across a boundary from one transparent material to another.
	4	Explain how lenses work.
8Jd	1	Recall the names and functions of parts of a camera.
	2	Recall the names and functions of parts of the human eye.
	3	Describe the cells in the retina.
	4	Describe similarities and differences between cameras and eyes.
8Je	1	Explain what a spectrum is and how to make one from white light.
	2	Describe how filters can be used to make coloured light.
	3	Explain why some objects appear coloured.
	4	Describe what different coloured objects will look like when lit by different coloured light.