

## 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.