8J Light- Revision Worksheet	Describe what is meant by the law of	State what lenses do to light as it passes through them.	
Describe the differences between a light wave and a sound wave.	reflection.		
		Define the term refraction .	
	Describe what is meant by specular reflection .	On the diagram below, label the normal, angle of incidence, angle of refraction, refracted ray and	
In the table below, describe what happens to light when it comes into contact with the following surfaces .		glass block.	
Transparent	Describe what is meant by diffuse reflection and why it happens.		
Translucent	······		
Opaque	Draw the light rays below to explain how		
State the type of lines light travels in.	we can see objects in a mirror.		
		Explain what happens to light as it travels through a glass block.	
Describe how a pinhole camera works.			
	State the three rules of an image in mirror .		
On the diagram below, draw what happens to the ray of light when it hits the mirror . Label the	0	Define the following key terms:	
incident ray, the normal, the reflected ray, the angle of incidence and the angle of reflection.	0	Lens	
		Converging Lens	
	Explain how mirrors could be used to look around corners.	Focal Point	
		Focal Length	

Explain how digital cameras work. Explain how eyes work.		ow <mark>eyes</mark> work.	Rate the following on how well you think you can do them:		
				I can Compare light and sound waves. 	
Label the iris, pupil, lens, cornea, optic nerve and retina on the eye diagram below. State the role of the rod cells. State the role of the cone cells. State the role of the cone cells. Describe how cyan, yellow and magenta colours can be made. State the role of the cone cells.		rod cells. State the role of the cone cells.	 Describe what happens to light when it hits different surfaces. Describe how to demonstrate that light travels in straight lines. Explain why agreed conventions are used in diagrams. Use the correct names for rays reaching and leaving a mirror and the angles between them and the normal. Use ray tracing to investigate mirrors. Describe how mirrors and rough surfaces reflect light. Describe how an image is formed in a mirror using a ray diagram. Recall some uses of lenses. Describe how light changes direction at the interface of two different surfaces. Use a model to explain how lenses work. 		
Describe what white light is and how it can be separated.		separated.			
From most refracted to least, state the colours in the visible light spectrum. 0 0 0	look at it. Explain wh the colour	hy white and black objects appear as		 Recall parts of cameras and eyes and state their functions. Describe some ways in which the energy transferred by light leads to chemical or electrical effects. Prepare a presentation using a mixture of texts, diagrams, charts and graphs. Choose a suitable method of presenting information for a given audience. Evaluate different ways of presenting the same information. Describe how to make a spectrum. Explain why coloured objects appear coloured. 	
0 0 0	Describe what a filter is and what it does to white light.				