

Functions of an Eye and a Camera

Goal • Reinforce your knowledge of the functions of parts of an eye and parts of a camera.

What to Do

Complete the following table to compare an eye with a camera. Do not write anything in the shaded boxes. For help, review pages 211 and pages 216 to 218 of your textbook.

Eye		Camera	
Part	Function	Part	Function
		shutter	opens to take a picture
retina			catches the image
	clear covering over the eye	protective glass	lens cover protects the lens
iris		diaphragm	
		automatic brightness adjustment	opens and closes the diaphragm according to brightness of the subject
	focusses the image on the retina		
ciliary muscle		focussing ring	
		aperture	hole through which light enters the camera
	transmits signals from light receptors in the retina to the brain		
	fluid between the iris and the cornea; keeps the eyeball rigid and refracts light		
vitreous humour			