

Homework 29b Using light

1. Use the words in the HELP-BOX to copy and complete the paragraph below.

fatter	distant	long-sighted
retina	shape	convex

A lens can be used to produce a real image. The lens in my eye is a shape. It produces a real image on the at the back of my eye. To focus on near and far objects the lens in my eye changes To focus on a nearer object it becomes If I am short-sighted, I cannot focus clearly on objects. A person is unable to focus on near objects.

2. In some ways the parts of the eye and the parts of the camera are alike. Group the following parts into matching pairs.

eye lens, film, aperture, retina, camera lens, iris

3. Copy and correct the following table by writing the correct function for each part of the eye.

Eye part	Function of the part
cornea	receives the image at the back of the eye
pupil	changes shape to focus the light rays
iris	clear front covering of the eye
lens	coloured part controlling the amount of light entering the eye
retina	entrance for light into the eye

4. Mavis has been taking close-up pictures of plants in her potting shed. She steps outside into bright sunshine to photograph a group of trees at the far end of her garden. Describe the adjustments made to setting the camera and the changes which occur automatically in her eyes.