

Extending Human Vision (Pg. 217-225)

Microscopes-

Uses two lens to _____. Objective lens is a _____. If an image is between one and two focal lens it will form a _____ image. The eye piece lens magnifies the image even more. The image can be _____

Telescopes-

Uses a _____ that is much larger than your eye to gather more light from distant objects. The image can then be _____ to make it even larger.

Cameras-

Gathers and bends light with a _____ lens. It then projects the image onto a light detector to _____

Similarities to the Human Eye

Lens cap can be compared to the human eyelid. Both reduce the change for _____

A Iris _____ entering the eye. A camera have a similar device called a diaphragm.

Lasers-

All the light has the same _____. Laser lights can contain a lot of energy.

Laser surgery can be used to cut the cornea in order to replace it with _____. It can also be used to _____. It can also be used to change the shape of the cornea to correct _____

Optical Fibres-

This is a simple way to _____. Optical fibres have _____. This means that no light is absorbed inside of the fibre.

They can be used in medicine to _____ of the inside of a persons body to a tiny camera.