

Homework

Q1) Why does it take some time to see the objects in a dim room when you enter the room from the bright sunlight outside?

ans - In bright light the size of the pupil is small to control the amount of light entering the eye. When we enter a dim room, it takes some time so that the pupil expands and allows more light to enter and helps us to see things clearly.

Q2) mention the function of

(1) iris - To control and regulate the amount of ~~light~~ light entering the eye by adjusting the size of the pupil.

(i) Eye lens - It converges light rays and forms an image on retina

(ii) Retina - It is a screen on which an inverted image is formed.

Q 3, How exactly we can see the nearby objects and the far-off objects clearly?

ans - * For observing nearby objects, the ciliary muscles contract, the thickness of eye lens increases, radii of curvature of its surface decrease, focal length of the lens decreases

* For observing distant or far-off objects, the ciliary muscles are relaxed, eye lens is thin, and it has maximum focal length.