

H.W

## Homework

Q-1. 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.

Q-2. Mention the functions of  
i) Iris  
ii) Eye lens  
iii) Retina.

Eye lens

Ans- i) Iris: It is responsible for refracting light so that a clear and sharp image of the objects is formed at the retina.

ii) Eye lens: It is <sup>regularly</sup> responsible for ~~refracting~~ <sup>regulating</sup> light so that the amount of light entering the eyes by changing the size of the pupil during day or night.

iii) Retina: It is located at the back end of the eye and acts as a screen on which the real and <sup>inverted</sup> images of the real and <sup>inverted</sup> images of the various objects we see is formed.

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

Ans. This is due to the ability of the eye lens to adjust its focal length which is known as accommodation. When the ciliary muscles are relaxed, the lens becomes thin. The focal of the eye lens decreases. This enables us to see nearby objects clearly.